## **Appendix B: Reservoir information**

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Table B-1.	BOR sa	ampling of	American	Falls Res	ervoir, A	ugust 1	995 to J	uly 2003																			
																TDS											
Date	Repli-	Time	NO <sub>3</sub> +NO <sub>2</sub>	Ortho D	Total D	NH <sub>3</sub>	TKN	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	l a	Ca	Mg	Na	K	SUM		SiO <sub>2</sub>	Fecal	Strep	E. coli	Chla	COD	TOC	SS	l ah nH	Turbidity
sampled		sampled	(mg/L)	(mg/L)				(mg/L)									SAD				(ct/100mL)	(mg/L)		(mg/L)			(NTU)
Sumpled	cuto	Jumpica	(IIIg/L)	[ (III9/L)	[(1119/12)	[(1119/12)	T(IIIg/L)	T(mg/L)	(mg/L)	[(IIIg/L)	[(1119/12)				eservoi		0/110	[(mg/L)	T(CB TOOTHE)	T(CD TOOTTIE)	T(CB TOOTTL)	[ (IIIg/L)	[(119/2)	T(IIIg/L)	T(IIIg/L)	(00)	(1410)
8/14/1995		15:40	0.02	0.061	0.082	0.12	0.41	3.91	173	28	15.2	43.7	13.5	16.1		229	0.5	16.8	< 1	< 1	1	0.0072	13	3.3	2		1
8/14/1995		15:42	0.02	0.001	0.002	0.12	0.41	3.91	173	20	13.2	45.7	13.3	10.1	2.1	229	0.0	10.0	~ 1			0.0072	10	3.3	-		
8/14/1995		15:44																									
8/14/1995		15:44																							_		
8/14/1995		15:48																									
8/14/1995																											
8/14/1995		15:50 15:53																									
8/14/1995 8/14/1995		15:55 15:57																							_		
8/14/1995		16:00	0.02	0.063	0.074	0.12	0.25	0	180	28.6	15.2	43.7	13.4	16	2.7	229	0.5	17	5	1			10	3.1	2		1
8/4/1997	- V	13:55	0.02	0.003	0.074	0.12	0.23	6.16	148	19.2	9.7	39.7	10.5	10.7	2.3	183	0.3	9	16	2k		0.0521	14	4.5	5	8.7	4
8/4/1997	T	13:55	0.01	0.004	0.034		0.76	7.11	145	22.1	9.4	39.5	10.3	10.7	2.3	184	0.4	8.6	18	2k		0.0521	11	4.6	4	8.7	5
		13:57	0.02	0.004	0.034	0.07	0.00	7.11	140	22.1	9.4	39.3	10.5	10.0	2.3	104	0.4	0.0	10	ZK.		0.0322		4.0	4	0.1	3
8/4/1997 8/4/1997	+ +	13:59				_	1			_	_	1	_	_	-	_								+	_		
8/4/1997	1	14:01		-	-	-	1			-		1	-			-				-				1	-		
8/4/1997	+ +	14:01					1			_		1	_		-	_								1	_		
8/4/1997	1	14:03		1		-	1			-		1	-	-		-				-		-		1	-		
8/4/1997		14:05																							_		
8/4/1997		14:07					-			_		-	_		-	_	-							+	_		
8/4/1997		14:10																									
8/4/1997		14:10																									
8/4/1997		14:11	0.27	0.129	0.156	0.09	0.18	0	160	20.4	9.6	40.3	10.1	10	2.2	186	0.4	11.3	14	2k			5	3.2	2	8.3	3
7/13/1998		15:30	0.27	0.129	0.130	0.09	0.10	3.31	160	30.2	10.8	40.5	11.8	12.5	2.2	205	0.4	11.8	2K	2K		0.0032	9	3.2	1	8.5	1
7/13/1998		15:33	0.04	0.003	0.003	0.04	0.29	3.31	100	30.2	10.0	40.5	11.0	12.3	2.2	203	0.4	11.0	2N	2r\		0.0032	9	3.2	<del>  '</del> -	0.5	
7/13/1998		15:35																									
7/13/1998		15:37																									
7/13/1998		15:38																		-					_		
7/13/1998		15:41																									
7/13/1998		15:43																									
7/13/1998		15:45																									
7/13/1998		15:47																									
7/13/1998		15:49																									
7/13/1998		15:50	0.15	0.07	0.088	0.12	0.25	0	170	26.4	10.4	41.5	12.3	12.5	2.3	208	0.4	16.1	2K	2K			8	2.9	4	8.1	2
6/26/2000		14:50	0.09	0.051	0.065	0.12	0.23	5.19	173	33.1	16.8	45.7	14.8	17.2	2.9	239	0.4	14.5	2K	2r\	2K	0.0058	16	2.3	2	8.5	2
6/26/2000		14:52	0.09	0.031	0.003	0.00	0.20	J.19	173	33.1	10.0	43.7	14.0	17.2	2.9	239	0.0	14.5	ZN		Zr.	0.0036	10	2.0		0.0	
6/26/2000		14:54																									
6/26/2000		14:56																									
6/26/2000		14:59																						1			
6/26/2000	$\vdash$	15:02		<u> </u>			<b>†</b>					<b>†</b>									<u> </u>			1			
6/26/2000	1	15:05		1			1					1												1			
6/26/2000		15:07																						<del>                                     </del>			
6/26/2000		15:09																						1			
6/26/2000		15:12	0.1	0.057	0.064	0.08	0.3	2.36	177	35.5	16.8	45.3	14.7	17.4	2.9	240	0.6	14.5	2K		2K		16	2.2	2	8.4	2
7/15/2003						0.05			198			47.3					0.7				< 2	0.0064		3.2	5	8.5	4
7/15/2003	$\vdash$	14:00 14:04	0.07	0.052	0.082	0.05	0.43	2.95	190	43.7	21.1	41.3	16.5	21.4	3.6	278	U./	20	< 2	-	<u> </u>	0.0061	12	3.2	1 2	0.0	4
7/15/2003		14:04																						<del>                                     </del>			
	+						1			-		1		-		-						-		+	_		
7/15/2003		14:09					1					1												1	-		
7/15/2003	+-+	14:12					H	-				H							<u> </u>	-		-	H	<b>-</b>	<b>.</b>		
7/15/2003		14:14	0.1	0.089	0.113	0.19	0.51	0	205	43.3	20.9		16.3	21.6	3.6	281	0.7	23	< 2		< 2		13	2.9	4	8.3	3
													nake F														
8/14/1995	$\vdash$	16:35	0.02	0.067	0.079		0.32	3.91	172	28	14.9		13.4	16.1	2.7	228	0.5	16.9	3	2			10	3.2	2		1
8/4/1997	$\sqcup$	15:15	0.06	0.009	0.051	0.08	0.55	1.9	157	21.6	9.7	39.3	10.1	10.6	2.3	185	0.4	9.1	10	12			7	3.7	3	8.5	2
7/13/1998	$\sqcup$	16:33	0.09	0.022	0.053	0.08	0.22	1.42	164	28.8	10.5	40.9	11.9	12.4	2.2	205	0.4	12.9	2K	12			8	3	2	8.4	1
6/26/2000		15:50	0.1	0.056	0.069	0.09	0.41	4.24	175	33.1	17	45.1	14.7	17.5	2.9	239	0.6	14.6	16		2		15	2.3	2	8.5	2
7/15/2003		14:45	0.1	0.068	0.102	0.11	0.42	1.97	200	43.7	21.2	46.9	16.6	24.5	3.6	283	8.0	22.2	40		4			3.1	4	8.4	3

Table B-1. Continued.

Table B-1.	Contin	ued.																							
																Com	Field			Field			BP	Diag	N <sub>2</sub> -Ar
Doto	Donli	Time	Doron	FI	As	Se	Lla	Cd	Cr	Cu	Pb	Fe	Mn	Zn	Casabi	Sam.	Temp	DO	Field	Field EC	ORP	Flow		Diss.	_
Date	Repli-	Time sampled	Boron (u g/L)	(mg/L)	(u g/L)	(u g/L)	Hg (u g/L)	(u g/L)	(u g/L)		(u g/L)		(u g/L)	(u a/L)	Secchi (meters)	Depth (feet)	(°C)	(mg/L)	pH (SU)	(u S/cm)	(mv)	(cfs)	(mm Hg)	gas (%)	gas
sampled	cate	Sampleu	(a grL)	[ (ITIG/L)	[ (a gru)	(agre)	(a gil)	(a gil)	[ (a gru)	(u g/L)		(u g/L)			(Illeters)	(leet)	( )	[ (IIIg/L)	pn (30)	[(a Sicili)	(HIIV)	(015)	ny)	(70)	(%)
0/4 4/4 005		45.40	_	0.50	1 0		.00	. 4	I . a	1		erican Fa			0.4	2.2	20.0	1 00	0.50	204	00		05.74		
8/14/1995		15:40 15:42	0	0.58	3	< 2	< 0.2	< 1	< 2	< 2	< 2	< 20	30	< 5	3.1	3.3 9.8	20.3	8.6 7.3	8.53	364	82 84		25.71		
8/14/1995																	19.9		8.38 8.32	366				$\longrightarrow$	
8/14/1995		15:44 15:46														16.4 23	19.8 19.7	6.8 6.6	8.31	366 366	86 86			$\longrightarrow$	
8/14/1995		15:48														29.5	19.7	6.5	8.3	368	86			$\rightarrow$	
8/14/1995		15:50														36.1	19.6	6.4	8.29	370	85				
8/14/1995		15:53														42.6	19.6	6.4	8.29	368	85				
8/14/1995		15:55														49.2	19.6	6.4	8.29	370	85			$\overline{}$	
8/14/1995		15:57														55.8	19.2	2.7	7.8	374	99			$\overline{}$	
8/14/1995		16:00	0	0.58	3	< 2	< 0.2	< 1	< 2	< 2	< 2	50	50	< 5		59.4	18.8	2.3	7.73	376	98			$\overline{}$	
8/4/1997	Y	13:55	60	0.46	4	< 2	< 0.2	< 1	< 2	< 2	< 2	20	< 10	< 5		3.3	10.0	2.0	7.75	370	- 30				
8/4/1997	<u> </u>	13:55	50	0.46	4	< 2	< 0.2	< 1	< 2	< 2	< 2	20	< 10	< 5	1.6	3.3	21.9	9.4		321	126		663		
8/4/1997	1	13:57		5.10	<u> </u>	_ <del>-</del>	J.2	<u> </u>	T	T	T -		10			9.6	21.8	9.1		322	126		662	$\overline{}$	
8/4/1997		13:59														16	21.6	8.5		324	126		665		
8/4/1997		14:01														22.4	21.4	8.4		324	126		662		
8/4/1997		14:03														28.8	21.2	8.1		325	126		662		
8/4/1997		14:05														35.2	20.5	6.7		326	131		662		
8/4/1997		14:07														41.6	18.2	3.6		332	139		662		
8/4/1997		14:09														48	17.7	2.1		332	113		662		
8/4/1997		14:10														54.4	17.6	1.4		334	114		662		
8/4/1997		14:11														60.8	17.4	1.2		333	145		662		
8/4/1997		14:13	50	0.48	4	< 2	< 0.2	< 1	< 2	< 2	< 2	80	160	< 5		65.3	17.4	1.1		334	145		662		
7/13/1998		15:30	50U	0.52	2	< 2	< 0.2	< 1	< 2	< 2	< 2	60	10.0U	< 5	4.5	3.3	22.6	8.2		350	175		654		
7/13/1998		15:33														9.8	21.8	8.3	8.15	350	161				
7/13/1998		15:35														16.4	20.4	8	8.32	353	162				
7/13/1998		15:37														23	19.2	7.5	8.35	355	162				
7/13/1998		15:38														29.5	18.4	6.8	8.3	357	164				
7/13/1998		15:41														36.1	17.6	5.9	8.45	359	155			$\longrightarrow$	
7/13/1998		15:43 15:45														42.6 49.2	17.5	5.7	8.43	360	155				
7/13/1998		15:45														49.2 55.8	16.8 15.9	5.2 3.8	8.4 8.3	364 366	157 162				
7/13/1998		15:49														62.3	15.9	3.2	8.23	369	164			$\rightarrow$	
7/13/1998		15:50	50U	0.51	3	< 2	< 0.2	< 1	< 2	< 2	< 2	100	40	< 5		67.6	15.7	3.2	0.23	370	168			$\longrightarrow$	
6/26/2000		14:50	69	0.72	4	< 2	< 0.2	< 1	< 2	< 2	< 2	60	30	< 5	3.7	3.3	19.6	8.3	8.49	395	149		658		
6/26/2000	i l	14:52		0.12		2	- 0.2		1 72		2		- 50	0	0.7	9.8	18.9	8.4	8.49	393	147		000		
6/26/2000	1	14:54														16.4	18.2	8	8.47	393	148				
6/26/2000		14:56														23	17.5	7.6	8.45	393	148				
6/26/2000		14:59														29.5	17.2	7	8.41	399	149				
6/26/2000		15:02														36.1	17.1	7	8.4	395	149			$\overline{}$	
6/26/2000	)	15:05														42.7	16.9	6.7	8.37	394	150			$\neg$	
6/26/2000	)	15:07														49.2	16.8	6.6	8.35	395	150				
6/26/2000	)	15:09														55.8	16.7	6.4	8.31	395	142				
6/26/2000	)	15:12	< 50	0.72	3	< 2	< 0.2	< 1	< 2	< 2	< 2	60	40	20		57.7	16.7	6.3	8.31	395	143				
7/15/2003	3	14:00	100	0.84	NE <sup>1</sup>	NE <sup>1</sup>	< 0.2	NE <sup>1</sup>	2.1	3.3	23.2	7.7	8.61	454	89		655	7							
7/15/2003		14:04														9.8	22.2	7.8	8.67	454	78				
7/15/2003		14:07														16.4	21.8	6.8	8.59	454	79				
7/15/2003	3	14:09														23	21.6	6.4	8.51	455	80				
7/15/2003	3	14:12														29.5	21.1	4.9	8.31	458	82				
7/15/2003	3	14:14	130	0.85	NE <sup>1</sup>	NE <sup>1</sup>	< 0.2	NE <sup>1</sup>		35.8	20.4	1.3	7.94	461	-35										
	•								•		•	Snake						•	•						
8/14/1995	5	16:35	0	0.58	3	< 2	< 0.2	< 1	< 2	< 2	< 2	30	60	< 5			20.1	6.4	8.37	366	72	12690		96.9	101.6
8/4/1997		15:15	60	0.47	3	< 2	< 0.2	< 1	< 2	< 2	< 2	30	20	< 5			21	8.2		124	132		662	180	103.5
7/13/1998	3	16:33	50U	0.51	2	< 2	< 0.2	< 1	< 2	< 2	< 2	60	20	5			19.7	6.8		358	173	12510	654	101.6	102.4
6/26/2000	)	15:50	53	0.73	4	< 2	< 0.2	< 1	< 2	< 2	< 2	70	40	< 5			17.9	7.5	8.46	393	175	13420	658	100.6	
7/15/2003	3	14:45	110	0.85	NE <sup>1</sup>	NE <sup>1</sup>	< 0.2	NE <sup>1</sup>			22.3	6.7	8.57	453	86		657	99.5							

<sup>1</sup>NE=not entered

Table B-2. DI	EQ samplin	g of Amer	ican Falls F	Reservoir,	May 200	01 to Au	gust 20	03.								
									TDS-				Lab			
Sito camplo	Date sampled	Time sampled	$ NO_3+NO_2 $  mg/L	Ortho P (mg/L)	Total P	NH₃ (mg/L)	TKN (mg/L)	HCO <sub>3</sub>	180 (mg/L)	Alkalinity (mg/L)	Chl a (mg/L)	SS (mg/L)	pH (SU)	Lab EC (u S/cm)	Turbidity (NTU)	Comments
Site sample	sampleu	Sampled	(IIIg/L)	(IIIg/L)	(IIIg/L)	(HIG/L)	(IIIg/L)	(mg/L)		(HIG/L)	(IIIg/L)	(IIIg/L)	(30)	(a Sicili)	(1410)	Comments
Column	5/11/2001	9:30	0.14	0.006	0.03	0.02	0.32	near 189	274	161		9	8.5	449	3	
Bottom	5/11/01	9:40	0.16	0.007	0.044	0.03	0.4	190	275	161		11	8.4	452	4	
Column	5/23/2001 5/23/01	10:00	0.02	< 0.003	< 0.01	0.01	0.27	182	245 247	152 152		2	8.4	433	2	
Bottom Column	6/6/2001	10:15 9:45	0.03	0.052	0.015	0.03	0.29	183 188	259	154	0.0036	3	8.4 8.2	436 446	3	
Bottom	6/6/2001	9:45	0.06	0.055	0.073	0.17	0.44	189	252	155		6	8.1	446	5	
Column Bottom	6/20/2001 6/20/2001	10:15 10:30	0.08	0.041	0.056	0.08	0.38	190 190	256 253	156 156	0.0034	3 7		449 451	2 5	
Column	7/3/2001	12:30	0.00	0.031	0.073	0.11	0.57	197	278	162	0.0035	4		455	3	
Bottom	7/3/2001	12:45	0.11	0.049	0.06	0.12	0.4	197	273	162		2		450	2	
Column Bottom	7/12/2001 7/12/2001	11:00 11:00	0.13	0.064 0.184	0.087 2.14	0.14	0.48	199 203	264 280	163 166	0.002	3 6	8.3 8.1	459 461	4 6	
Column	7/19/2001	9:30	0.08	0.078	0.101	0.1	0.54	194	273	164	0.0006	2	8.4	460	< 1	
Bottom	7/19/2001	9:45	0.06	0.208	0.22	0.4	0.62	205	277	168		3	7.9	467	< 1	
Column Bottom	7/25/2001 7/25/2001	11:45 12:00	0.05	0.075	0.099	0.07	0.37	193 191	277 276	164 165	0.0117	6 8	8.6 8.6	460 460	< 1	
Column	8/2/2001	10:45	0.04	0.05	0.089	0.01	0.72	185	270	166	0.0406	7	8.6	459	4	loose lids
Bottom	8/2/2001	10:50	0.05	0.058	0.088	0.03	0.44	187	272	166	0.0000	9	8.6	461	4	loose lids
Column Bottom	8/8/2001 8/8/2001	9:45 9:55	0.03	0.055 0.095	0.085	0.06	0.57	193 201	275 275	166 167	0.0022	2	8.5 8.4	464 467	2	
Column	6/4/2002	14:45	0.01	0.007	0.031	< 0.01	0.26	181	255	156	0.006	3	8.7	449	2	
Bottom	6/4/2002	14:30	0.02	0.014	0.042	< 0.01	0.34	180	252	155	0.0075	5	8.7	451	2	
Column Bottom	6/20/2002	10:45 10:30	0.04	0.032	0.054	0.05	0.54	179 185	255 259	154 155	0.0075	3	8.5 8.4	448 450	2	
Column	7/2/2002	12:00	0.02	0.124	0.155	0.3	0.53	191	262	157	0.0063	3	8.3	453	< 1	
Bottom	7/2/2002	11:50	0.02	0.153	0.186	0.43	0.63	195	263	160	0.0097	2	8.2	455	1	
Column Bottom	7/15/2002 7/15/2002	11:05 10:55	0.06	0.045 0.107	0.149	0.39	0.66	190 197	256 258	160 162	0.0097	3	8.5 8.3	443 455	2	
Column	7/31/2002	8:50	0.03	0.065	0.12	0.04	0.78	183	270	162	0.0269	6	8.7	440	5	
Bottom Column	7/31/2002 5/28/2003	8:00 11:00	0.05 < 0.01	0.076	0.104	0.08	0.43	189 188	270	163 160	0.0045	2	8.6 8.5	444 459	6 < 1	
Bottom	5/28/2003	10:50	0.01	0.009	0.031	0.01	0.28	192		160	0.0045	8	8.4	459	1	
Column	6/9/2003	10:00	0.04	0.031	0.055	0.11	0.42	196		161	0.0043	2	8.3	474	2	
Bottom Column	6/9/2003 6/26/2003	9:45 10:10	0.04	0.035	0.055	0.11	0.4	197 202		162 166	0.0046	2	8.3 8.3	475 491	2	
Bottom	6/26/2003	9:55	0.07	0.061	0.002	0.16	0.51	202		166	0.0040	2	8.3	490	3	
Column	7/11/2003	11:15	0.06	0.038	0.09	0.04	0.44	203		166	0.0134	4	8.3	459	2	received past holding times
Bottom Column	7/11/2003 7/23/2003	11:00 10:15	0.06	0.043 0.058	0.079	0.08	0.4	203 191		166 161	0.009	3	8.3 8.4	460 429	3	received past holding times
Bottom	7/23/2003	10:00	0.07	0.129	0.161	0.21	0.54	197		162	0.000	2	8.1	431	3	
Column	8/5/2003	9:50	0.02	0.104	0.166	0.07	0.83	183		152	0.0305	8	8.4	406	5	
Bottom	8/5/2003	9:40	0.03	0.097	0.149	0.07	0.71 hours:	182 ampline	Levent	151 near dam		8	8.4	404	7	
								2111211112	1010110	liour dum						Fixed and Chl-a Sample
	7/18/2002	18:30			0.088	0.09	0.54			-	0.0115				-	Only, Received Late Fixed and Chl-a Sample
	7/19/2002	6:30			0.082	0.08	0.6				0.0202					Only, Received Late
																Fixed Sample Only Rec'd Late, Chlorophyll labeled
	7/19/2002	12:30			0.078	0.05	0.42		enker D	  aint	0.0092					7/15/02
Column	8/8/2001	8:15	0.16	0.041	0.06	0.07	<b>οπ F</b> 0.42	enstern 200	1 <b>aker P</b> 276	164	0.014	5	8.3	463	2	
Bottom	8/8/2001	8:35	0.14	0.046	0.063	0.08	0.35	201	285	165		3	8.3	465	2	
Column	6/4/2002 6/4/2002	13:55	0.01	0.003	0.034	< 0.01	0.3	182	238 253	155	0.006	3	8.6	450	2	
Bottom Column	7/2/2002	13:45 13:25	< 0.02	0.03	0.053	< 0.01	0.27	190 183	253 254	157 158	0.0054	4	8.4 8.5	453 446	1	
Bottom	7/2/2002	13:45	0.02	0.04	0.086	0.24	0.38	178	255	157		5	8.5	447	1	
Column Bottom	7/15/2002 7/15/2002	10:00 9:50	0.06	0.03	0.079	0.07	0.48	182 194	256 257	161 163	0.0176	3	8.7 8.5	447 453	2	
Column	6/26/2003	9:30	0.2	0.05	0.136	0.37	0.72	201	201	165	0.0041	2	8.3	453	2	
Bottom	6/26/2003	9:10	0.07	0.061	0.097	0.18	0.61	202		166		3	8.2	491	3	
Column Bottom	7/23/2003 7/23/2003	9:15 9:00	0.01	0.051 0.082	0.103	0.02	0.7	178 191		162 160	0.0242	6 11	8.6 8.4	432 425	8	
Column	8/5/2003	7:50	0.04	0.062	0.144	0.07	1.27	173		144	0.0686	15	8.4	388	12	
Bottom	8/5/2003	7:35	0.03	0.049	0.157	0.03	1.04	173		145		14	8.4	388	12	

									TDS-				Lab			
	Date	Time	NO <sub>3</sub> +NO <sub>2</sub>	Ortho-P	T-Phos	NH3	TKN	HCO <sub>3</sub>	180	Alkalinity	Chl a	SS	рН	Lab EC	Turbidity	
Site sample	sampled	sampled	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(SU)	(u S/cm)	(NTU)	Comments
Column	5/11/2001	8:10	< 0.01	0.004	0.026	< 0.01	0ff Lit	178	258	point 148		10	8.4	430	4	
Bottom	5/11/01	8:20	< 0.01	< 0.003	0.025	< 0.01	0.32	177	256	148		10	8.4	430	4	
Column	5/23/2001	8:25	0.05	0.032	0.054	0.19	0.52	188	261	157		2	8.4	448	1	
Bottom Column	5/23/01 6/20/2001	8:45 9:15	0.02	0.036	0.054	0.19	0.5	186 196	255 260	154	0.0078	3	8.4	441 448	2	
Bottom	6/20/2001	9:15	0.15	0.025	0.044	0.07	0.43	197	265	162	0.0078	2		455	2	
Column	7/3/2001	9:30	0.14	0.048	0.088	0.12	0.58	199	272	163	0.0112	6		459	5	
Bottom	7/3/2001	10:00	0.14	0.058	0.094	0.16	0.53	200	275	164		8		449	7	
Column Bottom	7/12/2001	9:00	0.12 0.12	0.051	0.091	0.13	0.52	193 197	270 276	162 162	0.0132	10 15	8.4	446 444	9	
Column	7/25/2001	9:30	0.12	0.049	0.030	0.09	0.43	200	281	168	0.0064	38	8.5	465	12	
Bottom	7/25/2001	9:45	0.28	0.048	0.105	0.08	0.47	198	281	168		34	8.5	464	10	
Column	8/2/2001	8:30	0.15	0.04	0.105	0.05	0.72	199	274	165	0.0572	15	8.4	458	13	loose lids
Bottom Column	8/2/2001	8:50 7:30	0.18 0.35	0.042	0.136	0.08	0.75	199 206	272 283	165 169	0.0156	22 12	8.4	458 471	13	loose lids
Bottom	8/8/2001	7:45	0.32	0.06	0.119	0.16	0.93	210	287	172	0.0130	17	8.1	476	10	
Column	6/4/2002	12:15	0.03	0.031	0.044	0.13	0.4	186	250	155	0.0027	< 1	8.5	448	1	
Bottom	6/4/2002	12:00	0.04	0.038	0.049	0.15	0.47	187	254	155	0.0477	< 1	8.4	446	1	
Column Bottom	6/20/2002	8:45 8:30	0.03	0.022	0.055	0.02	0.46	175 183	256 254	157 158	0.0175	4	8.7 8.5	443 446	2	
Column	7/2/2002	9:40	0.04	0.029	0.078	< 0.03	0.42	181	247	157	0.0149	7	8.5	433	2	
Bottom	7/2/2002	9:30	< 0.01	0.034	0.085	< 0.01	0.45	181	244	157		6	8.5	433	2	
Column	7/15/2002	9:05	0.36	0.086	0.154	0.17	0.76	188	257	161	0.0162	8	8.5	450	5	
Bottom Column	7/15/2002 5/28/2003	8:55 9:15	0.33	0.086	0.142	0.18	0.82	190 197	273	163 162	0.0021	7 < 1	8.6 8.3	450 465	4	
Bottom	5/28/2003	9:10	0.03	0.038	0.059	0.19	0.47	197		162	0.0021	< 1	8.3	466	i	
Column	6/9/2003	8:25	0.05	0.038	0.064	0.14	0.46	197		162	0.003	3	8	472	2	
Bottom	6/9/2003	8:10	0.05	0.04	0.065	0.14	0.7	197		162	0.005	2	8.3	474	2	
Column Bottom	6/26/2003	8:40 8:30	0.07	0.048	0.089	0.15 0.16	0.58 0.58	200		164 164	0.005	3 4	8.3 8.3	486 488	3	
Column	7/23/2003	7:30	0.13	0.051	0.103	0.07	0.45	190		159	0.0079	7	8.4	422	8	
Bottom	7/23/2003	7:20	0.14	0.05	0.089	0.07	0.48	189		158		5	8.4	419	8	
Column	8/5/2003	8:30	0.08	0.003	0.098	0.02	0.57	160	Dim mb	133	0.033	48	8.4	351	24	
Column	5/11/2001	7:30	< 0.01	L n nna	0.039	< 0.01	0.37	183	263	am-Bann 152	l ck coul	8	8.4	438	4	
Bottom	5/11/01	7:45	< 0.01	0.005	0.033	0.01	0.41	184	268	152		9	8.4	438	4	
Column	5/23/2001	7:45	0.07	0.033	0.06	0.21	0.76	191	260	158		2	8.4	447	1	
Bottom	5/23/01 6/6/2001	7:50 7:45	0.06	0.044	0.076	0.24	0.61	192 193	258	159 161	0.0083	7	8.4 8.4	449 457	2	
Column Column	6/20/2001	7:45	0.19	0.031	0.034	0.04	0.5	186	262 247	153	0.0062	7	0.4	425	6	
Bottom	6/20/2001	7:45	0.22	0.017	0.046	0.08	0.36	177	253	145		9		442	7	
Column	7/3/2001	8:00	0.04	0.025	0.078	0.13	0.65	192	275	157	0.0264	12		446	10	
Bottom Column	7/3/2001	8:15 7:45	0.19 0.19	0.036	0.094	0.2	0.68	192 173	267 229	157 142	0.0331	12 55	8.3	427 364	10 28	
Bottom	7/12/2001	7:45	0.19	0.006	0.104	0.03	0.62	180	240	148	0.0331	53	8.3	397	31	
Column	7/25/2001	8:15	0.33	0.014	0.084	0.07	0.4	176	245	148	0.0084	39	8.5	407	10	
Bottom	7/25/2001	8:40	0.35	0.015	0.082	0.08	0.37	179	239	149		41	8.5	408	10	
Column Bottom	8/2/2001	9:25 9:40	0.41	0.012	0.106	0.08	0.51	183 187	227 229	150 153	0.0121	75 109	8.2 8.2	401 402	15 31	loose lids
Column	6/4/2002	10:45	0.04	0.011	0.096	0.02	0.41	179	250	155	0.0114	6	8.7	437	3	loose lids
Bottom	6/4/2002	11:00	0.04	0.013	0.045	0.02	0.42	177	243	154		5	8.7	439	3	
Column	6/20/2002	8:00	< 0.01	0.01	0.047	< 0.01	0.69	170	252	154	0.0203	6	8.7	428	2	
Bottom Column	6/20/2002 7/2/2002	7:45 8:15	0.03	0.016	0.059	< 0.01	0.58	169 191	250 262	156 157	0.0183	8 26	8.7 8.4	435 454	7	
Bottom	7/2/2002	8:00	0.11	0.02	0.114	0.06	0.92	188	261	157	3.0,00	28	8.4	452	5	
Column	7/15/2002	8:15	0.37	0.054	0.099	0.08	0.69	177	230	147	0.0416	23	8.4	390	9	
Column	5/28/2003	8:15	0.04	0.005	0.042	0.02	0.44	183 195		155	0.017	1	8.5	435 450	2	
Bottom Column	5/28/2003 6/9/2003	8:00 7:35	0.06	0.043	0.078	0.07	0.53	173		160 145	0.0064	5	8.3 8.5	396	2	
Bottom	6/9/2003	7:20	0.08	0.018	0.049	0.07	0.44	174		145	3,0004	3	8.4	399	2	
Column	6/26/2003	7:40	0.11	0.003	0.065	0.02	0.49	171		140	0.0234	10	8.3	388	5	
Bottom	6/26/2003 7/11/2003	7:30 7:45	0.08	0.005	0.072	0.02	0.51	175 168		144	0.0075	14 19	8.3	404 350	7	panalisad part to title of the
Column	17711/2003	1.45	U.13	0.003	0.042	0.06	0.32	168   Blan	nks	138	10.0075	19	6.2	1 350	8	received past holding time
	5/11/2001	9:45	0.03	< 0.003	< 0.01		< 0.03	1	< 5	0.82		< 1	5.7	< 2	< 1	
	7/12/2001	11:00	0.06	< 0.003	< 0.01	< 0.01	< 0.03	2	< 5	1.64		< 1	5.9	< 2	3	
	8/8/2001	10:00	0.04	< 0.003			< 0.03	7	< 5	5.74		< 1	6.4	< 2	< 1	
	7/15/2002	15:00 11:15	< 0.02	< 0.003	< 0.01	< 0.01	0.71	3	6 5	0.82 2.46		< 1	5.9 6.2	< 2	< 1	
	,			, 0.000				Dupli		•				•		
	6/20/2001	7:45	0.18	0.009	0.034	0.04	0.37	187	242	153		9		422	6	Boundary site
	8/2/2001 7/15/2002	8:45 10:10	0.15 0.13	0.039	0.112	0.05	0.64	197 182	274 256	165 161		19 5	8.4 8.7	457 448	13	loose lids
	11/15/2002	10:10	U.13	U.U.38	0.086	0.11	U.68	182	∠56	101		_ > _	8.7	1 448	2	Fenstermaker

200

Table 1.9   CPC Intellegency   CPC   Mary   Mary   CPC   Mary   Mary   Mary   Mary   CPC   Mary   M	Table B-3.	DEQ field	paramete	r samı	oling in Am	erican Fa	alls Reserv	oir, May	2001 t	o August 2	2003. Ter	np = temp	erature, (	Cond =	conductiv	ity, D0 = :	dissolved	oxygen,	Turb = 1	urbidity.		
Times   Process   Co																					ary Point	
HM6p-0    0.3   9.05   876   288   10.27		Depth	Temp		Cond	DO	Turb	Temp		Cond	DO	Turb	Temp		Cond	DO	Turb	Temp		Cond	DO	Turb
1	Date	(meters)	(°C)	pН	(u S/cm)	(mg/l)	(NTU)	(°C)	pН	(u S/cm)	(mg/l)	(NTU)	(°C)	pН	(u S/cm)	(mg/l)	(NTU)	(°C)	pН	(u S/cm)	(mg/l)	(NTU)
2   993   374   277   1039	11-May-01	0.3																				
3   89   973   977   1034																						
A																						
S																						
B																						
Total   September   Total																						
9   8.88   871   207   938																						
10																		10.76	8.46	302	11.6	
11																						
12   8.76   8.69   297   9.95																						
13													10.48	8.00	296	10.12						
14																						
15																						
23-Mey-01   17		15				9.79																
18					296																	
23-May 01			8.56						_					_				-				
23-May-01   0.3					296		-					-					-					
1   137   856   337   836   44   1516   826   383   642   1411   825   356   644   1458   829   357   656   33   1441   857   334   839   1445   825   355   6.36   1408   825   355   6.4   1408   825   357   6.56   43   1405   824   354   6.32   1415   827   357   6.56   43   1415   827   357   6.56   1415   827   357   6.56   1415   827   357   6.56   1415   827   357   6.56   1415   827   357   357   358   368   358	23_May ∩1						-			-		-	14 15	8 25	356	6.40		14.56	8 20	357	7	
2	ZS-IVIMY-UT							15 16	8 26	363	6.42	-										
3								10.10	0.20	- 555	V.72											
S			13.41	8.57	334	8.39		14.45	8.25	355	6.38		14.05	8.24	354	6.32		14.5	8.27	357	6.78	
6					332																	
7 1 221 857 323 867								14.22	8.24	356	6.29											
8																						
9																		14.09	8.19	300	6.42	
10								13.42	8 23	341	6.26											
11								10.12	0.20	011	0.20											
13																						
14																						
15																						
16																						
17																						
6-Jun-01    18																						
6-Jun-01 0.3 14.11 8.14 851 7.06					315																	
1	6-Jun-01																	14.25	8.29	360	7.48	
3   1402   8.12   350   7.1					351																	
4   14.02   8.11   350   7.08																						
5																						
6 14.01 8.11 350 7.02																						
The state of the																						
8 14 81 350 6.94																		17.20	0.21	500	0.77	
9 13.99 8.1 350 6.87																						
11		9		8.1	350	6.87																
12																						
13							-			-		-						-				
14							-			-		-										
15							<del>                                     </del>															
16																						
20-Jun-01																						
2         15.73         8.29         367         5.76         16.55         8.44         374         6.21         17.08         8.46         350         6.29           3         15.54         8.28         365         5.72         16.5         8.42         373         6.06         16.97         8.44         348         5.65           4         15.34         8.26         364         5.73         16.4         8.41         374         6.05         16.34         8.37         355         5.64           5         15.26         8.25         363         5.73         15.84         8.43         372         6.09         16.06         8.34         368         5.66           6         15.22         8.24         363         5.68         15.64         8.42         370         6.11         16         8.32         359         5.57           7         15.17         8.24         363         5.68         15.52         8.41         369         6.02         15.95         8.29         361         5.5           8         15.14         8.24         363         5.66         15.48         8.41         369         5.96         9         15.	20-Jun-01		16.6	8.32	375														_			
3       15.54       8.28       365       5.72       16.5       8.42       373       6.06       16.97       8.44       348       5.65         4       15.34       8.26       364       5.73       16.4       8.41       374       6.05       16.34       8.37       355       5.64         5       15.26       8.25       363       5.73       15.84       8.43       372       6.09       16.06       8.34       368       5.66         6       15.22       8.24       363       5.67       15.68       8.42       370       6.11       16       8.32       359       5.57         7       15.17       8.24       363       5.68       15.52       8.41       369       6.02       15.95       8.29       361       5.5         8       15.14       8.24       363       5.66       15.48       8.41       369       5.96       9         9       15.15       8.23       363       5.56       15.48       8.41       369       5.96       9         10       15.12       8.23       363       5.5       15.22       8.38       367       6       9         11 <td></td>																						
4       15.34       8.26       364       5.73       16.4       8.41       374       6.05       16.34       8.37       355       5.64         5       15.26       8.25       363       5.73       15.84       8.43       372       6.09       16.06       8.34       388       5.66         6       15.22       8.24       363       5.68       15.68       41.369       6.02       15.95       8.29       361       5.5         7       15.17       8.24       363       5.66       15.52       8.41       369       6.02       15.95       8.29       361       5.5         8       15.14       8.24       363       5.66       15.48       8.41       369       5.96       5.66         9       15.15       8.23       363       5.62       15.22       8.38       367       6       6         10       15.12       8.22       363       5.5       5       6       15.22       8.38       367       6       6         11       15.07       8.21       363       5.43       8       8.23       8.34       8.29       8.29       8.29       8.29       8.29       8.29 </td <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td>														_					_			
5         15.26         8.25         363         5.73         15.84         8.43         372         6.09         16.06         8.34         368         5.66           6         15.22         8.24         363         5.7         15.6         8.42         370         6.11         16         8.32         359         5.57           7         15.17         8.24         363         5.68         15.52         8.41         369         6.02         15.95         8.29         361         5.5           8         15.14         8.24         363         5.66         15.48         8.41         369         5.96         9         15.15         8.23         363         5.62         15.22         8.38         367         6         6         9         15.22         8.38         367         6         9         15.22         8.38         367         6         9         15.22         8.38         367         6         9         15.22         8.38         367         6         9         15.22         8.38         367         6         9         15.22         8.38         367         6         9         15.22         8.38         367         6							-			-		-										
6     15.22     8.24     363     5.7     15.6     8.42     370     6.11     16     8.32     359     5.57       7     15.17     8.24     363     5.68     15.52     8.41     369     6.02     15.95     8.29     361     5.5       8     15.14     8.24     363     5.66     15.48     8.41     369     5.96     5.96       9     15.15     8.23     363     5.62     15.22     8.38     367     6       10     15.12     8.22     363     5.5     15.22     8.38     367     6       11     15.07     8.21     363     5.43     15.04     15.04     8.2     362     5.35       13     15.04     8.19     362     5.31     15.04     15.04     8.19     362     5.31       14     15.01     8.18     362     5.31     15.04     15.04     8.19     8.12     15.04     15.04							<del>                                     </del>			+		<del>                                     </del>										
7																						
8     15.14     8.24     363     5.66     15.48     8.41     369     5.96       9     15.15     8.23     363     5.62     15.22     8.38     367     6       10     15.12     8.22     363     5.5     5.5       11     15.07     8.21     363     5.43       12     15.04     8.2     362     5.35       13     15.04     8.19     362     5.31       14     15.01     8.18     362     5.31																						
10			15.14	8.24	363	5.66							15.48			5.96						
11 15.07 8.21 363 5.43 12 15.04 8.2 362 5.35 12 13 15.04 8.19 362 5.31 14 15.01 8.18 362 5.31 14 15.01 8.18 362 5.31													15.22	8.38	367	6						
12							-					-										
13 15.04 8.19 362 5.31 14 15.01 8.18 362 5.31							-					-						1				
14 15.01 8.18 362 5.31							<u> </u>			<u> </u>		<u> </u>						<del> </del>				
15   14.97   8.17   362   5.32		15				5.32																

5.84 5.76 5.71 5.7 5.67 10.22

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8.92

8.84 8.78

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6.21 5.46 5.45

8.5 8.9

4.8

8 7.4

6 5.5 5.8 7.9

8 14.4 15.5 6

5.8

3 7.4

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21.69 8.55 21.7 8.55 21.7 8.55 21.65 8.55 21.57 8.52 21.48 8.49

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20.69 8.65 20.67 8.64

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2-Aug-01

8-Aug-01

20.67 8.64 20.66 8.64 20.65 8.64 21.89 8.8 21.77 8.86 21.66 8.86 21.48 8.77 21.28 8.76 21.2 8.76 21.19 8.76

21.19 8.76 21.16 8.75 20.9 8.69 20.87 8.69 22.95 8.84 22.95 8.84 22.95 8.84 22.93 8.83 22.47 8.72

21.89 8.69

21.46 8.56

21.28 8.55 21.09 8.49 21.08 8.49

	Depth	Temp								r Point		_		e Hole Dra					nty Bounda		_
			الما	Cond	DO (madh)	Turb	Temp	n I I	Cond	DO (ma/l)	Turb	Temp	ml l	Cond	DO (m a/l)	Turb	Temp		Cond	DO (100 or (1)	Tui
3-Jul-01	meters)	(°C)	рН	(u S/cm)	(mg/l)	(NTU)	(°C)	pН	(u S/cm)	(mg/l)	(NTU)	(°C)	pН	(u S/cm)	(mg/l)	(NTU)	(°C)		(u S/cm)	(mg/l)	(NT
	0.3	21.66	8.61	427	8.34	0.5						22.61	8.66	426	8.42	2	24.28	8.69		9.01	12
	1	21.56	8.61	426	8.34	0.3						22.55	8.66	426	8.42	2.8	24.29	8.68	410	9	1:
	2	21.22	8.6	426	8.29	0.3						22.49	8.65	426	8.38	2.8	24.29	8.68	409	8.96	1:
	3	20.98	8.59	426	8.19	0.4						22.43	8.64	426	8.21	2.8	24.1	8.61	417	8.13	1
	4	20.87	8.59	426	8.17	0.5						22.39	8.61	427	8.01	3.9	22.76	8.15	402	4.13	1:
	5	20.24	8.55	427	7.89	0.2						22.34	8.6	427	8.01	4.1	22.58	8.16	399	4.25	1
	6	19.91	8.54	426	7.88	1.4						21.42	8.33	434	5.39	7.2	22.14	7.98	415	2.87	
	7	19.65	8.56	426	8.04	1.3						21.18	8.14	438	4.27	10.2					_
	8	19.31	8.5	427	7.45	2.3															
	9	18.56	8.46	425	7.2	1.3															_
	10	18.44	8.37	426	6.39	0.8															
L	11	18.24	8.38	426	6.32	0.3															
L	12	17.91	8.3	427	5.63	0.3															
_	13	17.72	8.23	429	4.91	0.3															
	14	17.68	8.24	428	5.04	0.3															╙
2-Jul-01	0.3	23.14	8.73	429	7.62	0.4						22.61	8.48	423	5.57	15.5	22.08	8.58	349	7.06	1 6
<u> </u>	1	23	8.74	429	7.63	0.4						22.57	8.47	423	5.49	16.1	22.06	8.5	356	6.93	
_	2	22.82	8.74	429	7.59	0.4						22.54	8.47	423	5.48	16.9	22.05	8.45	352	6.9	- 6
_	3	22.74	8.73	429	7.56	0.7						22.54	8.47	423	5.53	16.1					
_	4	22.68	8.73	429	7.5	1						22.54	8.48	423	5.55	15.6					
_	5	22.63	8.72	429	7.44	2						22.53	8.48	423	5.58	16.5					_
<u> </u>	6	22.6	8.72	429	7.42	1.5															_
<u> </u>	7	22.52	8.71	429	7.4	3															
_	8	22.44	8.7	429	7.13	2.9															_
_	9	22.32	8.68	428	6.92	2															_
<u> </u>	10	19.87	8.3	433	3.84	4															⊢
<u> </u>	11	18.96	8.13	434	2.6	6.5															_
	12	18.48	8.06	434	1.97	8.5															_
9-Jul-01	0.3	21.29	8.69	429	7.01	2.1															-
<u> </u>	1	21.28	8.69	429	7.03	1.2															
_	2	21.3	8.69	429	6.96	1.3															
<u> </u>	3	21.3	8.68	429	6.9	1.6															_
<u> </u>	4	21.29	8.68	429	6.9	3.1															_
<u> </u>	5	21.29	8.68	429	6.88	1.5															
<u> </u>	6	21.29	8.68	429	6.96	6.1															
$\vdash$	7	21.28	8.68	429	6.88	1.3															_
<b>⊢</b>	8	21.24	8.65	430	6.61	1.6															$\vdash$
<u> </u>	9	21.05	8.6	431	5.75	2.7															$\vdash$
<u> </u>	10	20.72	8.48	432	4.85	4.4															-
<u> </u>	11	20.41	8.4	434	3.67	5.5															
5-Jul-01	12	20.01	8.17	436	2.37	6.7 2.3						20.02	0.40	122	6.2	47.0	20.02	0.64	277	7.50	Η.
J-JUI-U I	0.3	21.17	8.82	426	7.86							20.02	8.48	433	6.2	47.9	20.03	8.61	377 377	7.52	2
$\vdash$	1	21.14	8.82	426	7.83	3.5		_			-	20.02	8.48	433	6.16	49.8	20.06	8.61		7.5	-
$\vdash$	2	21.09	8.8	426	7.83	4.4 4.8		_				20.03	8.48	433	6.17	49.6	20.04	8.6	377 385	7.49	۱.
<u> </u>	3	21.08	8.81	426	7.8							19.98	8.47	433	6.09	52.3	19.91	8.56	385	7.41	+
<b>⊢</b>	4	21.06	8.81	426	7.77	3.1						19.93	8.46	433	5.92	53.3					$\vdash$
-	5	21.05	8.81	426	7.8	3						19.87	8.42	433	5.56	58.5					_
<u> </u>	6 7	20.98	8.79	427	7.4	3.8 7.5															$\vdash$
<u> </u>	8	20.74	8.68	429	5.84	7.5		-			-		_								$\vdash$

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21 8.58 21 8.58 20.98 8.56

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22.32 8.43 22.33 8.42 22.26 8.38 21.45 8.07

8.2 7.9 7.3 8.2 7.9

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29.3 18.18 8.35 26.3 18.13 8.35 32.7 18.13 8.35

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Table B-3.	Continued.																				
		Tomp		Dam	- DO		Tomp	<u>⊦e</u>	nstermake I			Tomp	Little	e Hole Dra			Tomp	Cou	nty Bounda		
Doto	Depth (motors)	Temp (°C)	pН	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pН	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pН	Cond (u S/cm)	DO (mg/l)	Turb (NTU)	Temp (°C)	pН	Cond (u S/cm)	DO (mg/l)	Turb (NTU)
Date 4-Jun-02	(meters) 0.3	17.4	8.72	461	9.8	0	17.94	8.81	460	10.4	0	18.19	8.43	462	7.37	0	18.65	8.67	448	9.63	0
4-Juli-02	1	17.15	8.73	461	9.81	0	16.55	8.82	460	10.64	0	17.83	8.42	461	7.34	0	18.41	8.67	449	9.03	0.2
	2	16.25	8.74	461	10.01	Ů	15.81	8.83	459	10.83	ŏ	17.49	8.41	461	7.36	0	18.23	8.64	452	9.48	0.1
	3	15.25	8.78	460	10.22	0	15.55	8.83	459	10.82	0	17.37	8.41	460	7.36	0	18.17	8.63	453	9.3	0
	4	15.23	8.78	460	10.25	0	15.41	8.82	459	10.76	0	17.28	8.41	460	7.36	0	18.12	8.64	451	9.23	0.4
	5	15.21	8.78	460	10.25	0	15.34	8.81	459	10.57	0	17.26	8.4	460	7.33	0	18.11	8.63	451	9.21	0.6
	6	15.2	8.78	460	10.22	0	15.29	8.78	460	10.25	0	17.17	8.4	460	7.29	0	18.09	8.61	451	9.2	0.9
1	7 8	14.92 14.88	8.78 8.76	460 461	10.28 9.97	0	15.03 14.88	8.71 8.67	461 461	9.52 8.92	0	17.15 17.14	8.39	460 460	7.3 7.3	0					$\vdash$
1	9	14.84	8.74	461	9.69	0	14.76	8.67	462	8.99	0	17.04	8.4	460	7.33	0					$\vdash$
	10	14.75	8.72	462	9.42	0	14.53	8.64	463	8.73	0										
	11	14.68	8.74	461	9.71	0	14.5	8.62	463	8.63	0										
	12	14.58	8.74	462	9.68	0	14.31	8.6	464	8.65	0										
	13 14	14.41	8.73 8.73	462 463	9.51 9.49	0	13.55	8.52	466	7.49	0										$\vdash$
	15	14.38 14.37	8.72	463	9.49	0															
	16	14.27	8.69	464	9.16	0.5															
20-Jun-02	0.3	17.26	8.63	462	9.19	0						17.82	8.85	457	11.24	0	18.3	8.95	437	11.4	0
	1	17.26	8.63	462	9.19	0						17.82	8.85	457	11.21	0	18.3	8.95	437	11.39	0
	2	17.25	8.63	462	9.17	0						17.8	8.84	457	11.19	0	18.29	8.95	437	11.36	0
-	3	17.24 17.25	8.63 8.63	462 462	9.17 9.16	0						17.83 17.78	8.84	457 457	11.2 11	0	18.29 18.22	8.95 8.93	438 441	11.29 11.23	0
1	5	17.24	8.63	462	9.15	0						17.69	8.8	458	10.85	0	18.17	8.92	443	11.07	0
	6	17.24	8.62	462	9.14	0						17.54	8.76	459	10.41	0	18.05	8.88	447	10.87	0
	7	17.23	8.62	462	9.11	0						17.18	8.69	459	9.76	0	17.61	8.84	454	10.65	0.4
	8	17.23	8.62	462	9.11	0						17.13	8.66	459	9.54	0					$\sqcup$
	9	17.23 17.21	8.61	462	9.1	0															$\vdash$
	10 11	17.17	8.61 8.6	462 462	9.02	0															$\vdash$
	12	17.09	8.57	462	8.82	0															
	13	17.04	8.55	462	8.68	0															
	14	16.69	8.49	464	8.12	0															
0.14.00	15	16.62	8.48	464	8.01	0	22.44	0.07	405	0.75	_	20.54	0.05	454	0.04	0	24.42	0.05	470	7.04	40.0
2-Jul-02	0.3	19.29 18.38	8.46 8.5	471 470	5.69 5.92	0	22.11	8.87 8.9	465 464	8.75 8.95	0	20.54 20.56	8.85 8.84	451 451	8.21 8.2	0	21.13	8.65 8.66	472 473	7.34 7.3	10.6 11.3
	2	18.36	8.49	470	6	0	20.77	8.94	463	9.18	0	20.56	8.84	451	8.19	0	21.13	8.67	472	7.29	11.7
	3	18.11	8.48	470	5.76	0	20.55	8.91	464	8.84	0	20.54	8.84	451	8.16	0	21.13	8.68	473	7.3	11.2
	4	17.6	8.38	471	4.62	0	20.4	8.92	464	8.92	0	20.54	8.88	451	8.15	0	21.11	8.69	471	7.29	13.2
	5	17.5	8.29	473	3.52	0	20.21	8.86	465	8.02	0	20.53	8.83	451	8.14	0	21.07	8.75	467	7.4	12.6
-	6 7	17.42 17.33	8.25 8.21	473 473	3.1 2.32	0	20.11	8.85 8.87	465 464	7.99 8.26	0	20.49	8.81	450 450	8.11 8.09	0.1	21.04	8.77	465	7.4	15
	8	17.28	8.17	474	2.07	0	20.03	8.87	465	8.27	Ö	20.47	8.7	450	8.1	0					
	9	17.11	8.19	474	2.01	0	19.98	8.86	465	8.14	Ö			,,,,,	0						
	10	17.11	8.19	474	2.02	0	19.96	8.85	465	8.08	0										
	11	17.11	8.2	475	1.89	0	19.87	8.85	465	8.06	0.1										$\vdash$
	12 13	17.09 17.08	8.22 8.23	475 475	1.83 1.81	0															<u> </u>
15 Jul 02 <sup>1</sup>	0.3	24.3	8.78	357	8.46	0	23.54	8.73	359	8.25	0	23.67	8.52	363	6.59	2.9	23.99	8.29	317	6.94	7.7
10 001 02	1	24.07	8.78	357	8.48	3.2	23.53	8.73	359	8.22	0	23.62	8.52	363	6.58	1.3	23.99	8.29	317	6.92	7.9
	2	23.67	8.72	358	7.73	1.5	23.5	8.72	359	8.16	0	23.59	8.51	362	6.59	0	24.01	8.3	317	6.9	8.3
	3	23.56	8.65	360	6.87	0	23.44	8.7	360	7.99	0	23.52	8.51	362	6.67	1.6	24.01	8.31	317	6.9	8.3
}	<u>4</u> 5	2304	8.5 8.39	362 364	5.4 4.2	0	23.43	8.69 8.68	360 360	7.87 7.71	0	23.5 23.48	8.5 8.49	362 362	6.69	1.5	23.96	8.32	318	6.84	8.5
	6	21.61	8.26	365	3.07	0	23.35	8.66	360	7.45	0	20.40	0.40	552	0.70	<u> </u>					
	7	21.58	8.26	365	3.11	0	23.25	8.65	361	7.28	Ö										
	8	21.49		366	2.93	0	23.09	8.6	361	7.02	0										
	9	21.15		366	2.3	0	22.56	8.41	364	5.01	0					-		_			$\vdash$
	10 11	20.95	8.13 8.11	366 367	2 1.75	0										-		-			<del></del>
31-Jul-02	0.3	20.83	8.76	457	9.45	14.6										1					<del></del>
31 001 02	1	22.02	8.74	457	9.27	5															
	2	22.02	8.73	457	9.13	3															
	3	22.02	8.73	457	9.26	4.3															
	4	22.02	8.74	457	9.16	5										-					-
-	5 6	22 21.95	8.71 8.6	457 457	9.05 8.35	3										1					-
	7	21.53	8.44	462	6.16	0															
	8	21.4	8.44	461	6.02	1															
1	9	21.37		461	5.98	1.9															

Table B-3. Continued
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Table B-3.	Continued.																				
		T I		Dam			T	Fer	nstermake			T	Little	e Hole Dra			T	Cou	nty Bounda	•	
_	Depth	Temp		Cond	DO	Turb	Temp		Cond	DO	Turb	Temp		Cond	DO	Turb	Temp	l	Cond	DO	Turb
Date	(meters)	(°C)	pH 0.74	(u S/cm)	(mg/l)	(NTU)	(°C)	pН	(u S/cm)	(mg/l)	(NTU)	(°C)	pH	(u S/cm)	(mg/l)	(NTU)	(°C)	pH	(u S/cm)	(mg/l)	(NTU)
28-May-03	0.3	16.86 16.83	8.71 8.71	452 452	9.8 9.81							16.69 16.68	8.39 8.39	458 458	7.97 7.96		19.36 19.38	8.72 8.72	423 423	10.82 10.8	
	2	16.83	8.71	452	9.8							16.68	8.39	458	7.96		19.33	8.72	424	10.76	
	3	16.81	8.71	452	9.8							16.64	8.39	458	7.94		19.18	8.7	426	10.61	
	4	16.77	8.71	452	9.81							16.58	8.39	458	7.92		18.83	8.67	432	10.48	
	5	16.7	8.71	452	9.82							16.51	8.39	458	7.86		17.87	8.66	428	10.38	
	6	16.65	8.71	452	9.84							16.1	8.36	458	7.7		16.82	8.49	445	9.45	
	7	16.57	8.72	452	9.86							15.28	8.36	458	7.52		15.92	8.33	450	8.35	
	8	14.53	8.71	451	10.22 10.16							14.52	8.32	459	7.11		15.62	8.28	451	8.24	
	10	13.77 12.75	8.69 8.67	451 450	9.96							14.39 13.66	8.29 7.94	459 471	6.71 4.11						
	11	11.91	8.56	452	8.96							13.00	7.34	471	4.11						
	12	11.81	8.57	451	9.02																
	13	11.8	8.56	452	8.93																
	14	11.67	8.54	452	8.71																
	15	11.56	8.51	452	8.41																
	16	11.47	8.47	452	8.28							47.00	0.40	450	7.45		10.01	0.07	007	0.00	
9-Jun-03 <sup>2</sup>	0.3	17.74 17.74	8.5 8.49	460 459	8.12 8.12							17.96 17.96	8.48 8.47	452 452	7.15 7.18		18.24 18.28	8.67 8.67	387 387	8.02 8.02	
	2	17.74	8.5	460	8.12							17.95	8.48	452	7.10		18.27	8.67	387	8.04	
	3	17.72	8.5	459	8.08							17.85	8.47	452	7.29		18.28	8.68	387	8.03	
	4	17.69	8.5	460	8.08							17.72	8.48	454	7.09		18.28	8.68	387	8.01	
	5	17.54	8.48	460	8.12							17.52	8.46	455	6.97		18.27	8.66	384	7.96	
	6	17.11	8.47	460	7.98							17.18	8.43	459	6.78		18.26	8.68	383	7.96	
	7	16.96	8.47	460	8.04							16.63	8.38	462	6.53		18.23	8.69	383	7.89	
	8	16.87 16.82	8.46 8.47	460 460	7.97 8.05							16.56	8.39	462	6.43		1				
	10	16.79	8.47	460	8.11																
	11	16.78	8.48	460	8.15																
	12	16.64	8.46	460	7.81																
	13	16.58	8.44	461	7.68																
	14	16.58	8.44	460	7.74																
20 1 00	15	16.55	8.44	460	7.73		40.00	0.45	40.4	7.00		10.11	0.44	400	7.40	0.7	10.00	0.40	050	0.0	4.0
26-Jun-03	0.3	18.52 18.47	8.52 8.52	464 464	7.91 7.81	0	18.23 18.23	8.45 8.45	464 465	7.33 7.34	0	18.14 18.07	8.44 8.43	462 462	7.43 7.31	0.7	16.02 16.01	8.46 8.45	356 356	9.3 9.4	1.9 2.1
	2	18.27	8.51	463	7.76	0	18.2	8.45	464	7.13	0	17.79	8.42	462	7.25	0.9	16.01	8.48	358	9.56	2.1
	3	18.22	8.5	464	7.67	0	18.16	8.44	464	7.3	Ŏ	17.77	8.42	462	7.16	0.5	15.75	8.62	374	10.25	6.4
	4	18.2	8.5	464	7.55	0	18.14	8.44	464	7.18	0	17.73	8.4	461	6.99	0.7	14.86	8.52	382	9.85	7
	5	18.17	8.49	464	7.44	0	18.08	8.41	464	6.9	0	17.6	8.35	461	6.57	1.3	14.62	8.54	388	9.58	7
	6	18.15	8.48	464	7.41	0	18.05	8.39	464	6.82	0	17.58	8.33	462	6.31	1.4					
	7	18.12	8.47	464	7.35	0.2	18.02	8.39	465	6.76	0.1	17.48	8.12	456	4.26	8.8					
	8	18.06 18	8.46 8.44	464 464	7.23	0	17.98 17.96	8.38 8.37	465 466	6.67	0.4										
	10	17.94	8.43	464	6.99	0.3	17.93	8.37	466	6.61	1										
	11	17.92	8.41	465	6.85	0.5	17.35	0.57	400	0.01	<u> </u>										
	12	17.9	8.4	465	6.68	1															
	13	17.87	8.38	465	6.66	0.7															
11-Jul-03	0.3	21.87	8.69	456		0.4											20	8.43	348		9.1
	1	21.87	8.69	456		1.1											20.01	8.42	348		9.8
	1.5	24.00	0.60	4EG		0.3											20.03	8.42	348		9.7
	3	21.86 21.83	8.69 8.68	456 456		0.3									1						
	4	21.03	8.66	456		0.8															
	5	21.78	8.66	456		0.5															
	6	21.72	8.62	457		0.6															
	7	21.6	8.59	457		2.7									-						
	8 9	21.56 21.3	8.58	457 457		3.3 0.7									-		-				
	10	21.3	8.57 8.54	457		0.7											1				
23-Jul-03	0.3	24.78	8.71	440	8.86	2.4	24.72	8.84	436	10.37	12.1	24.61	8.48	425	7.4	6.7					
	1	24.77	8.71	440	8.84	1.9	24.71	8.84	436	10.33	6.1	24.6	8.48	425	7.36	8.1					
	2	24.66	8.7	440	8.69	4.7	24.68	8.83	436	10.2	6.9	24.61	8.48	425	7.37	7.6					
	3	23.83	8.63	439	8.18	2.4	24.59	8.78	437	9.54	15.8	24.6	8.45	421	7.29	7					
	4		8.51	437	7.28	1.9	24.46	8.69	437	8.16	7.5				-						
	5	23.37	8.36	428	5.95	0.8	24.11	8.61	431	7.6	0.9				-						
	6 7	23.24 23.08	8.3	421 420	5.57 4.72	0.7	23.94	8.52 8.38	428 428	6.66 5.27	6										
	8		8.03		3.37	1	20.14	0.50	720	J.21	-							_			
	9		7.97	430	2.67	1															
5-Aug-03	0.3		8.48	403	7.53	10	22.94	8.48	384	7.29	17	21.16	8.42	347	8.58	30					
1	1	23.2	8.48	403	7.44	11	22.95	8.47	384	7.29	14	21.16	8.41	347	8.56	30.2					
	2		8.48	403	7.49	13.1	22.94	8.46	384	7.41	14.2	21.16	8.38	347	8.64	31					
	3		8.47	403	7.4	8.7	22.96	8.46	384	7.47	10.6				-		1				
	4		8.47	403	7.41	14.2	22.96	8.44	384	7.91	28	-						-			
	5 6	23.2 23.17	8.47 8.46	402 403	7.43 7.39	7.1 5.9								<del>                                     </del>			1				
	7		8.45		7.52	6.5															
1 to orbitality ob a	,	20.2	U.7J	702	1.02		a alibrata :				f 1000 us										1

<sup>&</sup>lt;sup>1</sup>turbidity had not been calibrated recently and conductivity was only calibrated with 447 uS/cm instead of 1000 uS/cm resulting in conductivity levels below what was normally observed <sup>2</sup>recalibrated barometric pressure, difference was approximately 5 mm (sonde was reading about 5 mm high)

Table B-4. DEQ Secchi disk data, May 2001 to August 2003.

Table D-4. DE	G OCCCIII GI	on data, ma	y 200 i to /\	agasi zooo.	·		
					Depth	(m)	
	Elevation	Storage					County
	at forebay	capacity	Percent		Fenstermaker	Little Hole	Boundary
Date	(ft)	(acre-feet)	full <sup>1</sup>	Dam	Point	Draw Point	Pt
11 May 01	4351.6	1,508,449	90.3%	1.1		1.1	1.1
23-May-01	4348.4	1,335,724	79.9%	3.5		6	6.5
6-Jun-01	4344.3	1,128,509	67.5%	3.9			1.9
20-Jun-01	4340.5	958,014	57.3%	6.8		3.4	1.1
3-Jul-01	4335.4	749,628	44.9%	6.1		2.9	0.9
12-Jul-01	4332.1	633,090	37.9%	5.25		0.95	0.3
19-Jul-01	4330.1	566,095	33.9%	3.9			
25-Jul-01	4327.8	495,087	29.6%	2.3		0.4	0.4
2-Aug-01	4324.0	389,744	23.3%	2.2		0.5	0.5
8-Aug-01	4321.0	312,849	18.7%	2.4	1.7	0.9	
4-Jun-02	4344.1	1,120,335	67.0%	2.1	2.25	8.3	1.95
20-Jun-02	4339.9	932,542	55.8%	4.5		5.5	1.9
2-Jul-02	4335.6	757,527	45.3%	6.2	4	4	0.8
15-Jul-02	4329.4	545,684	32.7%	2.3	1.9	1.5	0.6
31-Jul-02	4323.7	380,378	22.8%	1.6			
28-May-03	4343.5	1,093,096	65.4%	4.5		7.5	3.5 <sup>2</sup>
9-Jun-03	4339.9	932,141	55.8%	5		6.5	3.5
26-Jun-03	4333.6	685,208	41.0%	6	6	4	1.6
11-Jul-03	4326.9	469,218	28.1%	3.1			0.8
23-Jul-03	4322.1	341,203	20.4%	3	1.75	1.25	
5-Aug-03	4318.0	246,330	14.7%	2	0.8	0.5	

<sup>&</sup>lt;sup>1</sup>based on full storage capacity of 1,671,300 acre-feet at 4,354.5 ft elevation (from Bureau of Reclamation website a)

<sup>&</sup>lt;sup>2</sup>estimate

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Table B-5. Results of phytoplankton sampling by DEQ in American Falls Reservoir in 2001. The following columns, common to all samples, were left out of the table: calculation type = phytoplankton - grab, replicate = 1, fraction = none, biovolume = no, taxa level = species, organism = algae, highlighted transfer of the table in the phytoplankton in the phytoplankto

	Sample	Taxa										Customer		Relative	Algal cell	Relative
Site	date	identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	units	Concentration	concentration	concentration	
)am	6/6/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	19.0697	0.04837584	19.0697	0.0479
Dam	6/6/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	6.5757	0.01668118	6.5757	0.0165
Dam	6/6/2001	2071	Chlorophyta	Chlorophyceae	Chlorococcales	Characiaceae	Characium	limneticum			Cell-Nonmotile	Cells/ml	0.6576	0.00166819	0.6576	0.0016
Dam	6/6/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrigula	lacustris			Colonial-Nonmotile	Cells/ml	1.3151	0.00333613	3.9454	0.0099
)am	6/6/2001	1115	Bacillariophyta		Cymbellales	Cymbellaceae	Cymbella	minuta			Cell-Nonmotile	Cells/ml	0.6576	0.00166819	0.6576	0.0016
Dam	6/6/2001	101930	Chlorophyta	Chlorophyceae	Ulotrichles	Ulotrichaceae	Geminella	interrupta			Filament	Cells/ml	0.6576	0.00166819	1.3151	0.0033
am	6/6/2001	1214	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	cryptocephala			Cell-Motile	Cells/ml	0.6576	0.00166819	0.6576	0.0016
Dam	6/6/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	43.4057	0.11011119	43.4057	0.1092
)am	6/6/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	17.3623	0.04404453	17.3623	0.0436
am	6/6/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	234.3908	0.59460049	234.3908	0.5896
)am	6/6/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae		,,,,,,		>1 um spherical	Cell-Nonmotile	Cells/ml	17.3623	0.04404453	17.3623	0.0436
Dam	6/6/2001	7140	Miscellaneous							Microflagellate	Cell-Motile	Cells/ml	26.0434	0.06606666	26.0434	0.0655
Dam	6/6/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	17.3623	0.04404453	17.3623	0.0436
Dam	6/6/2001	1220	Bacillariophyta		Bacillarales	Bacillariaceae	Nitzschia				Cell-Motile	Cells/ml	8.6811	0.02202214	8.6811	0.0218
Dam	6/20/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	20.4579	0.00826171	20.4579	0.0080
am	6/20/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	350.7065	0.14162918	350.7065	0.1380
Dam	6/20/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	1.4613	0.00059013	1.4613	0.0005
Dam	6/20/2001	2080	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	Sp. 0			Cell-Motile	Cells/ml	1.4613	0.00059013	1.4613	0.000
Dam	6/20/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	70.1413	0.02832584	70.1413	0.0276
)am	6/20/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	149.0503	0.06019242	149.0503	0.0586
Dam	6/20/2001	1328	Bacillariophyta		Fragilariales	Fragilariaceae	Synedra	cyclopum			Cell-Nonmotile	Cells/ml	10.2289	0.00413084	10.2289	0.0040
)am	6/20/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	11.6902	0.00472097	11.6902	0.0046
)am	6/20/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	21.9192	0.00885184	21.9192	0.0086
Dami	6/20/2001	2082	Chlorophyta								Cell-Motile	Cells/ml	2.9226	0.00003104	2.9226	0.0001
Dam Dam	6/20/2001	3015	Chilorophyta	Chlorophyceae	Volvocales Contomonadales	Chlamydomonadaceae Cryptomonadaceae	Chlamydomonas Cryptomonas	globosa			Cell-Motile	Cells/ml	4.3838	0.00177035	4.3838	0.0017
Dam Dam	6/20/2001	2462	Cryptophyta Chlorophyta	Chlorophyceae	Cryptomonadales Chlorococcales			erosa lacustris			Colonial-Nonmotile	Cells/ml	2.9226	0.00177035	2.9226	0.001
om Dam		2641	Chlorophyta	Chlorophyceae		Oocystaceae Palmelloneidaceae	Quadrigula				Colonial-Nonmotile	Cells/ml	2.9226	0.00118026	23.3804	
	6/20/2001	2590	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri					1.4613	0.000118026	23.3804	0.0093
)am			Chlorophyta	Chlorophyceae	Ulotrichles	Ulotrichaceae	Ulothrix	accepture alia			Filament	Cells/ml				
Dam	6/20/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augstumalis		- 4 bankaria	Complex-Filament	Cells/ml	1.4613	0.00059013	23.3804	0.0092
Dam	6/20/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	0			>1 um spherical	Cell-Nonmotile	Cells/ml	1718.8658	0.69414612	1718.8658	0.6765
Dam	6/20/2001	1446	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	52.0868	0.02103471	52.0868	0.0205
Dam	6/20/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	52.0868	0.02103471	52.0868	0.0205
Dam	7/3/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	30.4766	0.02888139	30.4766	0.0198
Dam	7/3/2001	1328	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	cyclopum			Cell-Nonmotile	Cells/ml	8.4073	0.00796724	8.4073	0.0054
Dam	7/3/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	2.1018	0.00199179	2.1018	0.0013
Dam	7/3/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augstumalis			Complex-Filament	Cells/ml	1.0509	0.00099589	42.0367	0.0274
Dam	7/3/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	24.1711	0.02290593	24.1711	0.0157
Dam	7/3/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	35.7312	0.03386095	35.7312	0.0233
)am	7/3/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	22.0693	0.02091414	22.0693	0.0143
Dam	7/3/2001	1127	Chrysophyta	Chrysophyceae	Ochromonadales	Dinobryaceae	Dinobryon	divergens			Colonial-Motile	Cells/ml	1.0509	0.00099589	1.0509	0.0006
Dam	7/3/2001	4269	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	wesenbergii			Colonial-Nonmotile	Cells/ml	1.0509	0.00099589	420.3674	0.2742
Dam	7/3/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	6.3055	0.00597546	6.3055	0.0041
)am	7/3/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	1.0509	0.00099589	1.0509	0.0006
am	7/3/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	1.0509	0.00099589	2.1018	0.0013
)am	7/3/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	2.1018	0.00199179	2.1018	0.0013
)am	7/3/2001	8011	Chlorophyta	Chlorophyceae	Chlorococcales	Actinodiscaceae	Deasonia	Gigantica			Cell-Nonmotile	Cells/ml	1.0509	0.00099589	1.0509	0.0006
Dam	7/3/2001	1434	Bacillariophyta		Aulacoseirales	Aulacoseriaceae	Aulacoseira	italica			Filament	Cells/ml	7.3564	0.00697135	18.3911	0.011
Dam	7/3/2001	1315	Bacillariophyta		Fragilariales	Fragilariaceae	Synedra	ulna			Cell-Nonmotile	Cells/ml	3.1528	0.00298778	3.1528	0.002
am	7/3/2001	1021	Bacillariophyta		Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	1.0509	0.00099589	3.1528	0.002
)am	7/3/2001	2369	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	lacustris			Colonial-Nonmotile	Cells/ml	1.0509	0.00099589	4.2037	0.002
)am	7/3/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	339.3571	0.32159441	339.3571	0.221
am	7/3/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	367.6368	0.34839389	367.6368	0.239
)am	7/3/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erkenia	subaequiciliata			Cell-Motile	Cells/ml	197.9583	0.18759673	197.9583	0.129
Dam	7/12/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	18.9165	0.02300526	18.9165	0.01
am	7/12/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	0.4204	0.00051127	0.4204	0.000
)am	7/12/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	9.0079	0.01095494	9.0079	0.006
Dam	7/12/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	9.0079	0.01095494	9.0079	0.006
Dam	7/12/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrigula	lacustris			Colonial-Nonmotile	Cells/ml	0.2102	0.00025563	0.8407	0.000
Dam	7/12/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	5.0444	0.00613474	96.6549	0.074
Dam	7/12/2001	1434	Bacillariophyta		Aulacoseirales	Aulacoseriaceae	Aulacoseira	italica			Filament	Cells/ml	10.5092	0.01278074	134.7803	0.103
Dam	7/12/2001	9397	Bacillariophyta		Fragilariales	Fragilariaceae	Fragilaria	capucina	vaucheriae		Lateral-Filament	Cells/ml	0.4204	0.00051127	0.8407	0.000
)am	7/12/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	Copacina	Tagorienae		Colonial-Nonmotile	Cells/ml	2.7324	0.003323	91.0795	0.069
Dam Dam	7/12/2001	10220		Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augstumalis			Complex-Filament	Cells/ml	2.9426	0.00357864	59.1784	0.0453
Dami Dam	7/12/2001	2491	Cyanophyta				Schroederia				Cell-Nonmotile	Cells/ml	50.9036	0.0619063	50.9036	0.039
zaill Zam		2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae		judayi					0.8407	0.00102242	0.8407	0.000
Dam	7/12/2001		Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml				0.000
Dam	7/12/2001	8332	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Tetraedron	muticum			Cell-Nonmotile	Cells/ml	1.0509	0.00127805	1.0509	
Dam	7/12/2001	9818	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	0.4204	0.00051127	0.4204	0.000
Dam	7/12/2001	1328	Bacillariophyta		Fragilariales	Fragilariaceae	Synedra	cyclopum			Cell-Nonmotile	Cells/ml	0.4204	0.00051127	0.4204	0.000
Dam	7/12/2001		Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	viridula	germainii		Cell-Motile	Cells/ml	0.2102	0.00025563	0.2102	0.000
Dam	7/12/2001	4011	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	circinalis			Complex-Filament	Cells/ml	1.4713	0.00178932	59.1457	0.0453
)am	7/12/2001	2369	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	lacustris			Colonial-Nonmotile	Cells/ml	0.2102	0.00025563	0.2102	0.000
20111	7/12/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	2.1018	0.0025561	9.9837	0.0076

	ed.											Customer				Relative a
	Sample	Taxa										requested		Relative	Algal cell	cell
Site	date	identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	units	Concentration	concentration	concentration	n concentral
Dam	7/12/2001	1271	Bacillariophyta	Bacillariophyceae	Cymbellales	Rhoicospheniaceae	Rhoicosphenia	curvata			Cell-Nonmotile	Cells/ml	0.2102	0.00025563	0.2102	0.00016
Dam	7/12/2001	1021	Bacillariophyta		Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	0.4204	0.00051127	0.6306	0.00048
Dam	7/12/2001	9045	Bacillariophyta		Fragilariales	Fragilariaceae	Fragilaria	construens			Lateral-Filament	Cells/ml	0.4204	0.00051127	3.9234	0.003008
Dam	7/12/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	330.8731	0.40239058	330.8731	0.253745
Dam	7/12/2001	2861	Chlorophyta	Prasinophyceae	Prasinocladales	Pedinomonadaceae	Monomastix	astigmata			Cell-Motile	Cells/ml	76.3553	0.09285933	76.3553	0.058556
Dam	7/12/2001	7140	Miscellaneous					0003		Microflagellate	Cell-Motile	Cells/ml	16.9679	0.02063547	16.9679	0.013012
Dam	7/12/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	76.3553	0.09285933	76.3553	0.058556
Dam	7/12/2001	4321	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Synechococcus	elongatus		E o o an opnono	Cell-Nonmotile	Cells/ml	178.1625	0.21667193	178.1625	0.13663
Dam	7/12/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Ojnochococcus	eiorigatus		>1 um spherical	Cell-Nonmotile	Cells/ml	16.9679	0.02063547	16.9679	0.013012
Dam	7/12/2001	4264	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa		> i dili spilotical	Colonial-Nonmotile	Cells/ml	0.3073	0.02003347	50.9036	0.039037
Dam	7/12/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	8.4839	0.01031768	8.4839	0.006506
Dam	7/19/2001	3065						-			Cell-Motile	Cells/ml	11.7703	0.02060999	11.7703	0.007405
Dam		4041	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Multi-Filament	Cells/ml	42.4571	0.07434308	746.2134	0.469492
	7/19/2001		Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae								
Dam	7/19/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	3.3629	0.00588849	146.7082	0.092303
Dam	7/19/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	10.0888	0.01766565	10.0888	0.006347
Dam	7/19/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	0.8407	0.00147208	6.7259	0.004231
Dam	7/19/2001	1293	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	niagarae			Cell-Nonmotile	Cells/ml	1.2611	0.00220821	1.2611	0.000793
Dam	7/19/2001	1434	Bacillariophyta		Aulacoseirales	Aulacoseriaceae	Aulacoseira	italica			Filament	Cells/ml	1.2611	0.00220821	5.4647	0.003438
Dam	7/19/2001	1315	Bacillariophyta		Fragilariales	Fragilariaceae	Synedra	ulna			Cell-Nonmotile	Cells/ml	0.4204	0.00073613	0.4204	0.00026
Dam	7/19/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	1.2611	0.00220821	1.2611	0.000793
Dam	7/19/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	0.8407	0.00147208	0.8407	0.00052
Dam	7/19/2001	4172	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Oscillatoria	limnetica			Filament	Cells/ml	0.4204	0.00073613	5.3501	0.00336
Dam	7/19/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	1.6815	0.00294433	1.6815	0.001057
Dam	7/19/2001	8011	Chlorophyta	Chlorophyceae	Chlorococcales	Actinodiscaceae	Deasonia	Gigantica			Cell-Nonmotile	Cells/ml	0.8407	0.00147208	0.8407	0.000528
Dam	7/19/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	0.4204	0.00073613	0.4204	0.00026
Dam	7/19/2001	6021	Pyrrhophyta	Dinophyceae	Peridinales	Glenodiniaceae	Glenodinium	quadridens			Cell-Motile	Cells/ml	0.4204	0.00073613	0.4204	0.00026
Dam	7/19/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	0.4204	0.00073613	0.4204	0.00026
Dam	7/19/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	1.2611	0.00220821	26.0628	0.016397
Dam	7/19/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	131.386	0.082663
Dam	7/19/2001	7140	Miscellaneous	Суапорпусвае	Cilioococcaios	Cilioococcaceae	IVIICIOCYSUS	aeraginosa		Microflagellate	Cell-Motile	Cells/ml	101.8071	0.17826589	101.8071	0.06405
	7/19/2001	3043		Comtonhussos	Comtomonadalos	Cantomonodocooo	Rhodomonas	minuta	nannanlanetica	iviicioliageliate		Cells/ml	186.6464	0.3268209	186.6464	0.11743
Dam			Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	RHOUGHIGHAS	minuta	nannoplanctica	2.00 una anharia al	Cell-Motile		84.8393	0.3266209	84.8393	0.05337
Dam	7/19/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Charles			2-9.9 um spherical	Cell-Nonmotile	Cells/ml				
Dam	7/19/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	16.9679	0.02971107	16.9679	0.010675
Dam	7/19/2001	1298	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	67.8714	0.11884393	67.8714	0.04270
Dam	7/19/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erkenia	subaequiciliata			Cell-Motile	Cells/ml	33.9357	0.05942196	33.9357	0.02135
Dam	7/25/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	654.5721	0.57933922	23306.7606	0.954904
Dam	7/25/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	10.0087	0.00885836	10.0087	0.000410
Dam	7/25/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	38.0332	0.03366188	38.0332	0.00155
Dam	7/25/2001	1434	Bacillariophyta		Aulacoseirales	Aulacoseriaceae	Aulacoseira	italica			Filament	Cells/ml	2.0017	0.00177164	9.0079	0.000369
Dam	7/25/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	397.3138	0.01627
Dam	7/25/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	2.0017	0.00177164	2.0017	0.000082
Dam	7/25/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	2.0017	0.00177164	16.014	0.000656
Dam	7/25/2001	6033	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 2			Cell-Motile	Cells/ml	2.0017	0.00177164	2.0017	0.000082
Dam	7/25/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	2.0017	0.00177164	120.105	0.004920
Dam	7/25/2001	1296	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	4.0035	0.00354336	4.0035	0.00016
Dam	7/25/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	4.0035	0.00354336	4.0035	0.000164
Dam	7/25/2001	1152	Bacillariophyta		Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	2.0017	0.00177164	40.035	0.00164
Dam	7/25/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	152.7107	0.13515898	152.7107	0.00625
Dam	7/25/2001	1298	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	67.8714	0.06007064	67.8714	0.00278
Dam	7/25/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	16.9679	0.0150177	16.9679	0.000695
Dam	7/25/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae		2.00,000		2-9.9 um spherical	Cell-Nonmotile	Cells/ml	33.9357	0.03003532	33.9357	0.00139
Dam	7/25/2001	1000049	Chlorophyta	Chlorophyceae	Bryopsidales	Dichotomosiphonaceae	Dichotomococcus	curvatus			Colonial-Nonmotile	Cells/ml	16.9679	0.0150177	67.8714	0.00278
Dam	7/25/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chrococcaceae		van ratura	<del>                                     </del>	>1 um spherical	Cell-Nonmotile	Cells/ml	118.775	0.10512366	118.775	0.00276
Dam	8/2/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa		- r um apriorital	Colonial-Nonmotile	Cells/ml	0	0.10312300	250.3217	0.00149
Dam	8/2/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	aeruginosa flos-aquae			Multi-Filament	Cells/ml	4483.9192	0.69247014	164039.698	0.98191
		3015						erosa			Cell-Motile	Cells/ml	56.049	0.00865588	56.049	0.00033
Dam	8/2/2001		Cryptophyta	Chlorophyceae	Cryptomonadales	Chlomodomonadaceae	Chlomodomonas									
Dam	8/2/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	28.0245 18.683	0.00432794	28.0245	0.00016
Dam	8/2/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva	<del>                                     </del>		Colonial-Nonmotile			0.00288529	112.098	0.0006
Dam	8/2/2001	6011	Pyrrhophyta	Dinophyceae	Gonyaulacales	Certiaceae	Ceratium	hirundinella			Cell-Motile	Cells/ml	9.3415	0.00144265	9.3415	0.00005
Dam	8/2/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	28.0245	0.00432794	28.0245	0.00016
Dam	8/2/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	9.3415	0.00144265	9.3415	0.00005
Dam	8/2/2001	4368	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Oscillatoria	amphibia			Filament	Cells/ml	9.3415	0.00144265	424.6131	0.00254
Dam	8/2/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	1085.9426	0.1677066	1085.9426	0.00650
Dam	8/2/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	407.2285	0.06288998	407.2285	0.0024
Dam	8/2/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	135.7428	0.02096332	135.7428	0.00081
Dam	8/2/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	67.8714	0.01048166	67.8714	0.00040
Dam	8/2/2001	8308	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	serratus			Colonial-Nonmotile	Cells/ml	67.8714	0.01048166	271.4856	0.00162
Dam	8/2/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	quadricauda			Colonial-Nonmotile	Cells/ml	67.8714	0.01048166	135.7428	0.00081
Dam	8/8/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	84.0735	0.14805632	2338.773	0.77853
Dam	8/8/2001	3015	Cryptophyta		Cryptomonadales	Cryptomonadaceae		erosa	<del>                                     </del>		Cell-Motile	Cells/ml	12.1907	0.02146824	12.1907	0.00405
Dam	8/8/2001	4261	Cyanophyta	Cryptophyceae	Chroococcales	Chroococcaceae	Cryptomonas Microcystis				Colonial-Nonmotile	Cells/ml	0	0.02140024	160.3522	0.05337
Lani	8/8/2001	1180	Chrysophyta	Cyanophyceae Chrysophyceae	Ochromonadales	Synuraceae	Mallomonas	aeruginosa			Cell-Motile	Cells/ml	0.8407	0.0014805	0.8407	0.000279
Dam																

Table B-5. Contin	ued.															
	Sample	Taxa										Customer requested		Relative	Algal cell	Relative algal cell
Site	date	identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	units	Concentration	concentration		
County Boundary		1432		Coscinodiscophyceae		Aulacoseriaceae	Aulacoseira	granulata			Filament	Cells/ml	19.3369	0.00208319		0.01336432
County Boundary		2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	4.2037	0.00045287	23.5406	0.00228792
County Boundary		2363 1434	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	0.8407 6.7259	0.00009057	3.3629	0.00032684
County Boundary		2381		Chlorophyceae	Aulacoseirales Chlorococcales	Aulacoseríaceae	Aulacoseira Pediastrum	italica			Filament Colonial-Nonmotile	Cells/ml Cells/ml	4.2037	0.00072459	24.6618 91.6401	0.00239689
County Boundary County Boundary		9045	Chlorophyta Bacillariophyta	Chlorophyceae Fragilariophyceae	Fragilariales	Hydrodictyaceae Fragilariaceae	Fragilaria	construens			Lateral-Filament	Cells/ml	0.8407	0.000043287	11.2098	0.00108948
County Boundary		2504	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Selenastrum	gracile			Cell-Nonmotile	Cells/ml	0.8407	0.00009057	3.3629	0.00032684
County Boundary		2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	1.6815	0.00018115	8.4073	0.00081711
County Boundary		1076	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Cyclotella	meneghiniana			Cell-Nonmotile	Cells/ml	0.8407	0.00009057	0.8407	0.00008171
County Boundary		1180	Chrysophyta	Chrysophyceae	Ochromonadales	Synuraceae	Mallomonas				Cell-Motile	Cells/ml	0.8407	0.00009057	0.8407	0.00008171
County Boundary			Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna	ulna		Cell-Nonmotile	Cells/ml	0.8407	0.00009057	0.8407	0.00008171
County Boundary		1296	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	0.8407	0.00009057	0.8407	0.00008171
County Boundary	7/25/2001	2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrigula	lacustris			Colonial-Nonmotile	Cells/ml	0.8407	0.00009057	3.3629	0.00032684
County Boundary		3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	1968.2709	0.21204491	1968.2709	0.19129696
County Boundary		1298	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus		2.0.0 um enharical	Cell-Nonmotile	Cells/ml Cells/ml	3766.8633 1323.4925	0.40581008 0.14258192	3766.8633 1323.4925	0.3661028 0.12863071
County Boundary County Boundary		2683 9123	Chlorophyta Bacillariophyta	Chlorophyceae Bacillariophyceae	Chlorococcales Bacillarales	Chlorococcaceae Bacillariaceae	Nitzschia	palea		2-9.9 um spherical	Cell-Nonmotile Cell-Motile	Cells/ml	271.4856	0.02924757	271.4856	0.02638578
County Boundary		1222	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	33.9357	0.00365595	33.9357	0.00329822
County Boundary		1013	Bacillariophyta	Bacillariophyceae	Achnanthales	Achnanthaceae	Achnanthes	minutissima			Cell-Nonmotile	Cells/ml	33.9357	0.00365595	33.9357	0.00329822
County Boundary		1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	678.7141	0.07311893	678.7141	0.06596447
County Boundary	7/25/2001	8041	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Monoraphidium	capricomutum			Cell-Nonmotile	Cells/ml	101.8071	0.01096784	101.8071	0.00989467
County Boundary		1221	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile	Cells/ml	67.8714	0.00731189	67.8714	0.00659645
County Boundary		8226	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	intermedius			Colonial-Nonmotile	Cells/ml	33.9357	0.00365595	135.7428	0.01319289
County Boundary		8302	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	quadricauda	longispina		Colonial-Nonmotile	Cells/ml	67.8714	0.00731189	271.4856	0.02638578
County Boundary		2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile Cell-Nonmotile	Cells/ml	135.7428 237.5499	0.01462378 0.02559162	135.7428 237.5499	0.01319289
County Boundary County Boundary	7/25/2001	2491 2031	Chlorophyta Chlorophyta	Chlorophyceae Chlorophyceae	Chlorococcales Chlorococcales	Chlorococcaceae Oocystaceae	Schroederia Ankistrodesmus	judayi falcatus			Cell-Nonmotile	Cells/ml Cells/ml	33.9357	0.02359162	33.9357	0.02308756
County Boundary		2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	101.8071	0.01096784	101.8071	0.00329822
County Boundary	7/25/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	135.7428	0.01462378	135.7428	0.01319289
County Boundary		2554	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Tetraedron	minimum			Cell-Nonmotile	Cells/ml	33.9357	0.00365595	33.9357	0.00329822
County Boundary		4321	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Synechococcus	elongatus			Cell-Nonmotile	Cells/ml	101.8071	0.01096784	101.8071	0.00989467
County Boundary	7/25/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erkenia	subaequiciliata			Cell-Motile	Cells/ml	67.8714	0.00731189	67.8714	0.00659645
County Boundary		8030	Chlorophyta	Chlorophyceae	Microsporales	Microsporaceae	Microspora				Filament	Cells/ml	37.366	0.01294401	210.1837	0.04252189
County Boundary		9045	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	construens			Lateral-Filament	Cells/ml	5.6049	0.0019416	156.9372	0.03174969
County Boundary		1271 9397	Bacillariophyta Bacillariophyta	Bacillariophyceae	Cymbellales	Rhoicospheniaceae	Rhoicosphenia	curvata	ununharina		Cell-Nonmotile Lateral-Filament	Cells/ml Cells/ml	1.8683 1.8683	0.0006472 0.0006472	1.8683	0.00037797
County Boundary County Boundary		1341	Bacillariophyta Bacillariophyta	Fragilariophyceae Bacillariophyceae	Fragilariales Thalassiophysales	Fragilariaceae Catenulaceae	Fragilaria Amphora	capucina	vaucheriae		Cell-Nonmotile	Cells/ml	11.2098	0.0038832	11.2098	0.00226783
County Boundary		9506	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna	ulna		Cell-Nonmotile	Cells/ml	28.0245	0.00970801	38.5337	0.00779569
County Boundary		9321	Bacillariophyta	Bacillariophyceae	Cymbellales	Gomphonemataceae	Gomphoneis	herculeana	dina		Cell-Nonmotile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary		1066	Bacillariophyta	Bacillariophyceae	Achnanthales	Cocconiedaceae	Cocconeis	pediculus			Cell-Nonmotile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary	8/2/2001	1108	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Diatoma	vulgaris	vulgaris		Cell-Nonmotile	Cells/ml	14.9464	0.00517761	14.9464	0.00302378
County Boundary	8/2/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary		9118	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	linearis			Cell-Motile	Cells/ml	5.6049	0.0019416	5.6049	0.00113392
County Boundary		9439	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	sigma			Cell-Motile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary		4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae	Enceto		Multi-Filament	Cells/ml	1.8683	0.0006472	45.2921	0.00916297
County Boundary County Boundary		9212 2884	Bacillariophyta Chlorophyta	Bacillariophyceae Chlorophyceae	Achnanthales Chlorococcales	Cocconiedaceae Scenedesmaceae	Cocconeis Scenedesmus	placentula quadricauda	lineata		Cell-Nonmotile Colonial-Nonmotile	Cells/ml Cells/ml	9.3415 1.8683	0.003236	9.3415 7.4732	0.00188986
County Boundary		3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	5.6049	0.0006472	5.6049	0.00151189
County Boundary	8/2/2001	4421	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Lyngbya	subtilis			Filament	Cells/ml	11.2098	0.0038832	1222.8869	0.2474001
County Boundary	8/2/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary		2590	Chlorophyta	Chlorophyceae	Ulotrichles	Ulotrichaceae	Ulothrix				Filament	Cells/ml	1.8683	0.0006472	161.9194	0.03275763
County Boundary	8/2/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	2176	Chlorophyta	Chlorophyceae	Chlorococcales	Coelastraceae	Coelastrum	astroideum			Cell-Nonmotile	Cells/ml	1.8683	0.0006472	14.9464	0.00302378
County Boundary	8/2/2001		Bacillariophyta	Bacillariophyceae	Cymbellales	Cymbellaceae	Cymbella	affinis			Cell-Nonmotile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001	1161	Bacillariophyta	Bacillariophyceae	Cymbellales	Gomphonemataceae	Gomphonema	parvulum			Cell-Nonmotile	Cells/ml	1.8683	0.0006472	1.8683	0.00037797
County Boundary	8/2/2001		Bacillariophyta Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae Stophonodiscocco	Nitzschia	constricta			Cell-Motile	Cells/ml	1.8683 1.8683	0.0006472	1.8683	0.00037797
County Boundary County Boundary	8/2/2001	1293 4170	Bacillariophyta Cyanophyta	Coscinodiscophyceae Cyanophyceae	Thalassiosirales Oscillatoriales	Stephanodiscaceae Oscillatoriaceae	Stephanodiscus Oscillatoria	niagarae			Cell-Nonmotile Filament	Cells/ml Cells/ml	1.8683	0.0006472	261.562	0.00037797
County Boundary  County Boundary	8/2/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	1153.814	0.39969447	1153.814	0.03291615
County Boundary	8/2/2001		Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	pupula			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	9102	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	tripunctata			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	339.3571	0.11755721	339.3571	0.06865474
County Boundary	8/2/2001	1013	Bacillariophyta	Bacillariophyceae	Achnanthales	Achnanthaceae	Achnanthes	minutissima			Cell-Nonmotile	Cells/ml	271.4856	0.09404574	271.4856	0.05492377
County Boundary	8/2/2001	1214	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	cryptocephala			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	9482	Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	salinarum			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	1222	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	67.8714	0.02351144	67.8714	0.01373094
County Boundary	8/2/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica	200	Cell-Motile	Cells/ml	135.7428	0.04702287	135.7428	0.02746189
County Boundary		2683	Chlorophyta	Chlorophyceae	Chlorococcales	Cotonylososo	Amehoro	no dio ulue		2-9.9 um spherical	Cell-Nonmotile	Cells/ml	407.2285 67.8714	0.14106864	407.2285 67.8714	0.08238568
County Boundary	8/2/2001	1343	Bacillariophyta	Bacillariophyceae	Thalassiophysales	Catenulaceae	Amphora	pediculus			Cell-Nonmotile	Cells/ml	07.8714	0.02351144	07.6714	0.015/3094

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unity Boundary 6/20/2 unity Boundary 7/3/2	//2001 //	1109 2462 4041 6033 1221 1434 1152 19504 19123 1434 1152 19506 14172 3043 1298 2082 2082 2085 8041 2031 1296 9397 1731 8041 2031 1434 2363 2211 44041	Bacillanophyta Cyanophyta Cyanophyta Cyanophyta Bacillanophyta Chlorophyta	Fragilariophyceae Chlorophyceae Cyanophyceae Cyanophyceae Dinophyceae Bacillarophyceae Fragilariophyceae Fragilariophyceae Fragilariophyceae Fragilariophyceae Cyanophyceae Cyanophyceae Cynpophyceae Bacillariophyceae Chorophyceae Bacillariophyceae Chorophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae Chorophyceae Chypophyceae Coscinodiscophyceae Coscinodiscophyceae	Fragilariales Chlorococcales Nostocales Nostocales Germodinales Baciliariales Baciliariales Fragilariales Baciliariales Fragilariales Fragilariales Fragilariales Coscillatoriales Coscillatoriales Cyptomonadales Thalassiosirales Baciliariales Chorocales Acharathales Thalassiosirales Baciliariales Coptomonadales Chorococales Chorococcales Chlorococcales Chlorococcales Chlorococcales Chlorococcales	Fragilariaceae Oocystaceae Nostocaceae Oocystaceae Nostocaceae Gymnodiniaceae Fragilariaceae Fragilariaceae Fragilariaceae Fragilariaceae Fragilariaceae Fragilariaceae Cryptomonadeceae Chlamydomonadeceae Achinarihaceae Bacillariaceae Cryptomonadeceae Chjamydomonadeceae Cryptomonadeceae Fragilariaceae Cryptomonadeceae Cryptomonadeceae Cryptomonadeceae Cryptomonadeceae Contemonadeceae	Diatoma Cuadrigula Aphanizomenon Gymnodinium Nitzschia Synedra Nitzschia Aulacoseira Fragilaria Synedra Oscillatoria Stephanodiscus Chiamydomonas Stephanodiscus Nitzschia Cnyptomonas Chiamydomonas Fragilaria Chiptomonas	tenus lacustris flos-aquae sp. 2 accularis tenera palea italica crotonensis ulna linnetica minuta parvus globosa lanceolata pumila pumila pumila pumila pumila pumila pumila			Cell-Normatile Colonial-Normatile Multi-Filament Cell-Motile Cell-Motile Cell-Motile Filament Lateral-Filament Lateral-Filament Cell-Monmatile Filament Cell-Monmatile Cell-Normatile Cell-Normatile Cell-Normatile Cell-Normatile Cell-Normatile Cell-Normatile Cell-Normatile Cell-Normatile	Cells/ml	8 7677 8 7677 108 3614 1,8683 31,7611 22,4196 74,732 57,9173 5,6049 3,7366 1,8683 4140,156 3597,1847 2104,0137 67,8714 475,0999 1,8683	0.00046667 0.00046667 0.00042208 0.00014521 0.00248854 0.0017425 0.00580833 0.00450146 0.00029042 0.00014521 0.27958085 0.16352842 0.00527511 0.003692578 0.0004521	8 7677 17 5353 4262 2106 1.9683 31.7611 22.4196 74.732 193.0567 16.8147 3.7366 101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.9683	0.00044 0.00088 0.24492 0.00108 0.00128 0.00429 0.011093 0.00021 0.00021 0.00585 0.23790 0.20670 0.12090 0.00390
unty Boundary 7/3/20	//2001 //2001	2462 4041 6033 1221 9504 9123 1434 1152 9506 4172 3043 1298 2082 1018 1296 9436 3015 2085 3015 2085 1731 8041 2031 1434 2032 2032 2032 2032 2032 2032 2032 2	Chlorophyta Chyanophyta Pyrrhophyta Sacillanophyta Chyanophyta Chyanophyta Sacillanophyta Chlorophyta Sacillanophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Sacillanophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta	Chlorophyceae Cyanophyceae Dinophyceae Bacillartophyceae Bacillartophyceae Bacillartophyceae Bacillartophyceae Bacillartophyceae Coscinodiscophyceae Fragilartophyceae Cyanophyceae Cyanophyceae Cyanophyceae Coscinodiscophyceae Coscinodiscophyceae Bacillartophyceae Bacillartophyceae Cospondiscophyceae Cospondiscophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae Chlorophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae	Chlorococcales Nostocales Gymnodinales Baciliarates Fragilariales Authorocales Volvocales Baciliarates Cryptomonadales Cryptomonadales Volvocales Fragilariales Ochromonadales Ochromonadales Chlorococcales	Occystaceae Nostocaceae Gymnodnisceae Bacillariaceae Bacillariaceae Bacillariaceae Bacillariaceae Bacillariaceae Bacillariaceae Fragillariaceae Fragilariaceae Fragilariaceae Cuptomonadaceae Achnarthaceae Stephanodiscaceae Chlamydomonadaceae Bacillariaceae Crystomonadaceae Bacillariaceae Crystomonadaceae Chlamydomonadaceae Chlamydomonadaceae Chlamydomonadaceae	Quadrigula Aphanizomenon Gymnodnium Nitzschia Synedra Nitzschia Aulacoseira Fragilaria Synedre Oscillatoria Rhodomonas Stephanodiscus Chlamydomonas Achnanthas Achnanthas Stophanodiscus Nitzschia Cyptormonas Chlamydomonas Fragilaria	lacustris flos-aquae sp. 2 acicularis tenera palea talica crotonensis ulna limnetca minuta parvus globosa lanceolata hantschii pumila erosa playstigma			Colonial-Normotile Multi-Filament Cell-Motile Cell-Motile Cell-Motile Cell-Motile Cell-Motile Filament Lateral-Filament Cell-Normotile Filament Cell-Normotile Cell-Motile	Cells/ml	8 7677 108 3614 1,8683 31,7611 22,4196 74,732 57,9173 5,6049 3,7366 1,8683 4140,156 3,597,1847 2104,0137 67,8714 475,0999 1,8683	0.00048667 0.00842208 0.00014521 0.00014521 0.00246854 0.0017425 0.00580833 0.00450146 0.00043562 0.0029042 0.00014521 0.2795808 0.16352842 0.00527511 0.003692578 0.003692578	17.5353 4262.2106 1.8683 31.7611 22.4196 74.732 193.0557 16.8147 3.7366 101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00088 0.24492 0.00010 0.00182 0.00128 0.00429 0.01109 0.00096 0.00021 0.00585 0.23790 0.20670 0.12090 0.00390
untly Boundary 7/8/20	2001	4041 6033 1221 9504 9123 1434 1152 9506 14172 9506 14172 9506 14172 9506 1298 1298 1298 1298 1296 13015 2082 1018 1296 13015 1	Cyanophyta Pyrrhophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Chyanophyta Bacillariophyta Chyanophyta Bacillariophyta Chyanophyta Bacillariophyta Chyanophyta Bacillariophyta Bacillariophyta Bacillariophyta Chilorophyta Chilorophyta Chilorophyta Chilorophyta Chilorophyta Bacillariophyta Chilorophyta Bacillariophyta Chilorophyta Bacillariophyta Chilorophyta Bacillariophyta Chilorophyta Chilorophyta	Oyenophyceae Dinophyceae Bacillariophyceae Bacillariophyceae Bacillariophyceae Bacillariophyceae Coscinodiscophyceae Fragilariophyceae Cyapophyceae Cyapophyceae Coscinodiscophyceae Bacillariophyceae Coscinodiscophyceae Bacillariophyceae Coscinodiscophyceae Coscinodiscophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Nostocales Gymnodinales Baciliarates Gymnodinales Baciliarates Baciliarates Baciliarates Baciliarates Aulacoseriales Fragilariales Fragilariales Fragilariales Fragilariales Fragilariales Thalassiosirales Baciliarates Cyptomonadales Baciliarates Cyptomonadales Thalassiosirales Baciliarates Cyptomonadales Cyptomonadales Cyptomonadales Cyptomonadales Chiorococcales Chiorococcales Chiorococcales Chiorococcales	Nostocaceae Gymnodiniaceae Bacillariaceae Bacillariaceae Fragilariaceae Aulacoseriaceae Fragilariaceae Fragilariaceae Fragilariaceae Fragilariaceae Coscilatoriaceae Cyptomonadaceae Chlamydomonadaceae Stephanodiscaceae Bacillariaceae Criptomonadaceae Griptomonadaceae Criptomonadaceae Criptomonadaceae Criptomonadaceae Criptomonadaceae Criptomonadaceae	Aphanizomenon Gymnodrium Ntzschia Synedra Ntzschia Synedra Ntzschia Aulacoseira Fragilaria Synedra Oscillatonia Stophanodiscus Chlemydomonas Stophanodiscus Chlemydomonas Chlomydomonas Tophanodiscus Ntzschia Cryptomonas Chlamydomonas Chlamydomonas Fragilaria	sp. 2 acicularis tenera palea italica crotonensis ulna limnetica minuta parvus globosa lanceolata hantschii pumila erosa playstigma			Multi-Filament Cell-Motile Cell-Motile Cell-Normotile Cell-Normotile Filament Leteral-Filament Cell-Monmotile Filament Cell-Monmotile Cell-Normotile Cell-Normotile Cell-Normotile Cell-Normotile Cell-Normotile Cell-Normotile Cell-Normotile	Cells/ml	108.3614 1.8683 31.7611 22.4196 74.732 57.9173 5.6049 3.7366 1.8683 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00842208 0.00014521 0.0024854 0.0017425 0.00580833 0.00450146 0.000450146 0.00045562 0.00029042 0.00014521 0.32178174 0.27958085 0.16352842 0.00527511 0.03692578 0.03692578	1,8683 31,7611 22,4196 74,732 193,0557 16,8147 3,7366 101,9073 4140,156 3597,1847 2104,0137 67,8714 475,0999 1,8683	0.00010 0.00182 0.00128 0.00429 0.01109 0.00096 0.00021 0.00585 0.23790 0.20670 0.12090 0.00390
unty Boundary 7/3/2/2 unty Boundary 7/3/2 unty	(2001   (200	1221   9504   9123   14344   1152   9506   4172   9506   4172   9506   1298   1	Pyrhophyte Bacillariophyte Chilorophyte Bacillariophyte Chilorophyte Chilorophyte Chilorophyte Bacillariophyte Chilorophyte Bacillariophyte Chilorophyte Bacillariophyte Chilorophyte	Dinophyceae Bacillarothyceae Fragilariophyceae Goscinodiscophyceae Fragilariophyceae Fragilariophyceae Fragilariophyceae Fragilariophyceae Cyanophyceae Cyanophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae Chynophyceae Coscinodiscophyceae	Baciliarales Fragilariales Fragilariales Baciliarales Aulacoseirales Fragilariales Fragilariales Fragilariales Fragilariales Cnytomonadales Thalassiosirales Baciliarales Cryptomonadales Baciliarales Cryptomonadales Thalassiosirales Baciliarales Cryptomonadales Cryptomonadales Cryptomonadales Cryptomonadales Chorococcales Chiorococcales Chiorococcales Chiorococcales	Gymnodiniaceae Bacillariaceae Fragilariaceae Bacillariaceae Bacillariaceae Bacillariaceae Aulacoseriaceae Fragilariaceae Fragilariaceae Cryptomonadaceae Achinarthaceae Stephanodiscaceae Bacillariaceae Cryptomonadaceae Achinarthaceae Cryptomonadaceae Fragilariaceae Cryptomonadaceae Bacillariaceae Cryptomonadaceae Fragilariaceae Chiamydomonadaceae Fragilariaceae	Gymnodnium Nitzschia Synedra Nitzschia Aulacoseira Fragilaria Synedra Oscillatoria Rhodomonas Stephanodiscus Chlamydomonas Stephanodiscus Nitzschia Cnyptomonas Chiamydomonas Fragilaria	sp. 2 acicularis tenera palea italica crotonensis ulna limnetica minuta parvus globosa lanceolata hantschii pumila erosa playstigma			Cell-Mottile Cell-Nonmotile Cell-Nonmotile Filament Lateral-Filament Cell-Nonmotile Filament Cell-Mottile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile	Cells/ml	31.7611 22.4196 74.732 57.9173 5.6049 3.7366 1.8683 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00246854 0.0017425 0.00580833 0.00580833 0.00450146 0.00043562 0.00029042 0.30178174 0.27958085 0.16352842 0.00527511 0.03692578 0.03692578	31.7611 22.4196 74.732 193.0557 16.8147 3.7366 101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00182 0.00128 0.00429 0.01109 0.00096 0.00021 0.00585 0.23790 0.20670 0.12090 0.00390
untly Boundary 78/2/2	2001 2001	9504 9123 1434 1152 9506 4172 3043 1298 2082 1018 1298 9436 3015 2085 9436 3015 1298 9436 3015 2085 1398 1498	Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Cyptophyta Cyptophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Chlorophyta	Bacillariophyceae Fragilariophycae Bacillariophycae Bacillariophycae Coscinodiscophyceae Fragilariophycae Fragilariophycae Cyprophycae Cyprophycae Coscinodiscophycae Coscinodiscophycae Bacillariophycae Bacillariophycae Coscinodiscophycae Bacillariophycae Chlorophycae Chlorophycae Chlorophycae Chlorophycae Chlorophycae Coscinodiscophycaea Coscinodiscophycaea Coscinodiscophycaea	Fragilariales Bacilitrales Aulacoseirales Fragilariales Aulacoseirales Fragilariales Oscillatonales Oscillatonales Oscillatonales Volvocales Achnarthales Thalassiosirales Bacilitrates Cryptomonadieles Volvocales Fragilariales Ochromonadales Ochromonadales Ochromonadales Chiorococcales	Fragilariaceae Bacillariaceae Aulacoseriaceae Fragilariaceae Fragilariaceae Contromonadaceae Contromonadaceae Achardhocaceae Achardhocaceae Achardhocaceae Achardhaceae Chjarmonadaceae Fragilariaceae Chjarmonadaceae Fragilariaceae Chjarmonadaceae Fragilariaceae Chjarmonadaceae Fragilariaceae	Synedra Nitzschia Aulacoseira Aulacoseira Fragilaria Synedra Oscillatoria Rhodomonas Stephanodiscus Chlamydomonas Achnarthes Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	tenera palea palea jitalica crotonensis ulna irmnetica minuta parvus globosa lanceolata hantzschii pumila erosa playstigma			Cell-Nonmotile Cell-Motile Filament Lateral-Filament Cell-Nonmotile Filament Cell-Motile Cell-Motile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile	Cells/ml	22.4196 74.732 57.9173 5.6049 3.7366 1.8683 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.0017425 0.00580833 0.00450146 0.00043562 0.00029042 0.00014521 0.32178174 0.27958085 0.16352842 0.00527511 0.03692578	22.4196 74.732 193.0557 16.8147 3.7366 101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00128 0.00429 0.01109 0.00096 0.00021 0.00585 0.23790 0.2067 0.12090 0.00390
unty Boundary 7/3/2/2 unty Boundary 7/1/2/2	2001   2001	9123 1434 1 1152 1 9506 1 4172 3043 1298 1 2082 1018 1 1296 9436 9436 1 3015 2085 9436 1 1296	Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Cryptophyta Bacillariophyta Cryptophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Chyptophyta Bacillariophyta Bacillariophyta Bacillariophyta Chirophyta	Bacillariophyceae Fragilariophyceae Fragilariophyceae Fragilariophyceae Cyanophyceae Cyanophyceae Cyptophyceae Coscinodiscophyceae Coscinodiscophyceae Bacillariophyceae Bacillariophyceae Coscinodiscophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae Coscinodiscophyceae	Bacillarales Aulacoseirales Fragilariales Fragilariales Fragilariales Fragilariales Coscillatoriales Contrologianiales Contrologianiales Volvocales Bacillarales Contrologianiales Volvocales Fragilariales Ochromonadales Chiorococcales Chiorococcales	Bacillariaceae Aulacosariceae Fragilariaceae Fragilariaceae Fragilariaceae Cosillatoriaceae Chyptomonadaceae Achnarthaceae Stephanodiscaceae Achnarthaceae Stephanodiscaceae Chlarmydomonadaceae Achnarthaceae Chyptomonadaceae Grillariaceae Chyptomonadaceae Fragilariaceae Cotromonadaceae	Nitzschia Aulacoseira Fragilaria Synedra Oscillatoria Rhodomonas Stephanodiscus Chlamydomonas Achnanthes Stephanodiscus Ottpatronia Cryptomonas Chlamydomonas Fragilaria	palea italica crotonensis ulna irmnetica minuta parvus globosa lanceolata hantzschii pumila erosa platystigma			Cell-Motile Filament Lateral-Filament Cell-Monmotile Filament Cell-Motile Cell-Motile Cell-Monmotile Cell-Nonmotile Cell-Nonmotile Cell-Motile Cell-Motile	Celis/ml	74.732 57.9173 5.6049 3.7366 1.8683 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00580833 0.00450146 0.00043562 0.00029042 0.00014521 0.32178174 0.27958085 0.16352842 0.00527511 0.03692578 0.00014521	74.732 193.0557 16.8147 3.7366 101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00429 0.01108 0.00096 0.00025 0.00585 0.23790 0.2067 0.12090 0.00390
untly Boundary 7/8/2/2	2001	1434 1152 9506 4172 3043 1298 1298 1298 1018 1296 9436 3015 2085 9397 1731 8041 2031 8041 2031 8041 2031 8041 8051	Bacillariophyta Bacillariophyta Bacillariophyta Cyanophyta Cyanophyta Cryptophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Cryptophyta Chlorophyta	Coscinodiscophyceae Fragilariophyceae Fragilariophyceae Cyptophyceae Cyptophyceae Coscinodiscophyceae Bacillariophyceae Bacillariophyceae Bacillariophyceae Coscinodiscophyceae Coscinodiscophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae Coscinodiscophyceae Chlorophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae	Aulacoseirales Fragilariales Fragilariales Fragilariales Oscillatoriales Thalassiosirales Volvocales Achnarthales Thalassiosirales Bacillarales Cryptomonadales Volvocales Fragilariales Ochromonadales Chiorococcales Chiorococcales	Aulacoseriaceae Fragilariaceae Fragilariaceae Fragilariaceae Coscilatoriaceae Coptomonadecaea Chlamydomonadecaea Achnarthaceae Stephanodiscaceae Achnarthaceae Stephanodiscaceae Chlamydomonadaceae Cryptomonadaceae Fragilariaceae Cryptomonadaceae Coptomonadaceae Coptomonadaceae	Aulacoseira Fragilaria Synedra Oscillatoria Rhodomonas Stephanodiscus Chlamydomonas Achnanthes Stephanodiscus Chlamydomonas Cryptomonas Cryptomonas Chlamydomonas Fragilaria	italica crotonensis ulna limnetica minuta parvus globosa lanceolata hantzschii pumila erosa platystigma			Filament Lateral-Filament Cell-Nonmotile Filament Cell-Motile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Motile	Cells/ml	57.9173 5.6049 3.7366 1.8683 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00450146 0.00043562 0.00029042 0.00014521 0.32178174 0.27958085 0.16352842 0.00527511 0.03692578 0.00014521	193.0557 16.8147 3.7366 101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.01109 0.00096 0.00021 0.00585 0.23790 0.2067 0.12090 0.00390
unty Boundary 7/3/20 unty Boun	2001     2	1152   9506   4172   3043   1298   2082   1018   1296   9436   3015   2085   9397   1731   8041   2031   434   4268   2211   4041   4041	Bacillariophyta Bacillariophyta Cyanophyta Cyptophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Chlorophyta Bacillariophyta Chirophyta Chirophyta Chirophyta Chlorophyta Bacillariophyta Chlorophyta Bacillariophyta Chlorophyta Bacillariophyta Chlorophyta Bacillariophyta Chlorophyta	Fragilariophyceae Cyanophyceae Cyanophyceae Cyanophyceae Cyptophyceae Coscinodiscophyceae Chlorophyceae Chlorophyceae Bacillariophyceae Coyptophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae Coscinodiscophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Fragilariales Fragilariales Oscillatoriales Oscillatoriales Cryptomonadales Thalassiosirales Volvocales Achnanthales Thalassiosirales Bacillariales Cryptomonadales Volvocales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Fragilariaceae Fragilariaceae Gostilatoriaceae Costilatoriaceae Chytomonadaceae Chytomonadaceae Achnarthaceae Stophanodiscaceae Bacillariaceae Chytomonadaceae Gryptomonadaceae Fragilariaceae Chiamydomonadaceae Fragilariaceae	Fragilaria Synedra Oscillatoria Rhodomonas Stephanodiscus Chlamydomonas Achnanthes Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	crotonensis ulna limnetica minuta parvus globosa lanceolata hantzschii pumila erosa platystigma			Lateral-Filament Cell-Nonmotile Filament Cell-Motile Cell-Motile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile Cell-Nontolie	Cells/ml	5.6049 3.7366 1.8683 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00043562 0.00029042 0.00014521 0.32178174 0.27958085 0.16352842 0.00527511 0.03692578 0.00014521	16.8147 3.7366 101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00096 0.0002 0.0058 0.23796 0.2067 0.12096 0.00396
unty Boundary 7/3/2/2 unty Boundary 7/1/2/2	(2001   (200	9506   4172   3043   1298   1298   1296   19436   13015   2085   9397   1731   8041   2363   2211   4041   4041	Bacillariophyta Cyanophyta Cyanophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Chlorophyta	Fragilariophyceae Cyanophyceae Cynophyceae Coscinodiscophyceae Chlorophyceae Bacillariophyceae Bacillariophyceae Bacillariophyceae Chlorophyceae Chlorophyceae Chlysophyceae Chlysophyceae Chlorophyceae Coscinodiscophyceae	Fragilariales Oscillatoriales Cryptomonadales Thalassiosirales Volvocales Achnanthales Thalassiosirales Bacillariales Cryptomonadales Volvocales Fragilariales Octromonadales Chlorococcales Chlorococcales	Fragilariaceae Oscillatoriaceae Cryptomonadaceae Stephanodiscaceae Chlamydomonadaceae Achnanthaceae Stephanodiscaceae Cryptomonadaceae Bacillariaceae Cryptomonadaceae Fragilariaceae Ochromonadaceae Ochromonadaceae	Synedra Oscillatoria Rhodomonas Stephanodiscus Chlamydomonas Achnanthes Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	ulna irmnetica minuta parvus globosa lanceolata hantzschii pumlla erosa platystigma			Cell-Nonmotile Filament Cell-Motile Cell-Nonmotile Cell-Motile Cell-Motile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile	Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml	3.7366 1.8683 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00029042 0.00014521 0.32178174 0.27958085 0.16352842 0.00527511 0.03692578 0.00014521	3.7366 101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.0002 0.0058 0.2379 0.2067 0.1209 0.0039
unity Boundary 78,202	2001 2001	4172 3043 1298 1298 1018 1296 9436 3015 2085 9397 1731 8041 2031 1434 12363 2211 4041	Cyanophyta Cryptophyta Bacillariophyta Chlorophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Cryptophyta Chlorophyta	Cyanophyceae Cyntophyceae Coscinodiscophyceae Chorophyceae Bacillarophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae Chytophyceae Chorophyceae Chiorophyceae Chiorophyceae Chiorophyceae Chiorophyceae Coscinodiscophyceae	Oscillatoriales Cryptomonadales Thalassiosirales Volvocales Achnanthales Thalassiosirales Bacillarales Cryptomonadales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Oscilatoriaceae Cryptomonadaceae Stephanodiscaceae Chlamydomonadaceae Achnarthaceae Stephanodiscaceae Bacillariaceae Cryptomonadaceae Chlamydomonadaceae Fragilariaceae Ochromonadaceae Ochromonadaceae	Oscillatoria Rhodomonas Stephanodiscus Chlamydomonas Achnanthes Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	limnetica minuta parvus globosa lanceolata hantzschii pumila erosa platystigma			Filament Cell-Motile Cell-Nonmotile Cell-Motile Cell-Nonmotile Cell-Nonmotile Cell-Nonmotile	Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml	1.8683 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.00014521 0.32178174 0.27958085 0.16352842 0.00527511 0.03692578 0.00014521	101.9073 4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.0058 0.2379 0.2067 0.1209 0.0039
unty Boundary 7/3/2/2  unty Boundary 7/1/2/2   unty Boundary 7/1/2/2   unty Boundary 7/1/2/2   unty Boundary 7/1/2/2   unty Boundary 7/1/2/2   unty Boundary 7/1/2/2   unty Boundary 7/1/2/2   unty Boundary 7/1/2/2   unty Boundary 7/1/2/2    unty Boundary 7/1/2/2    unty Boundary 7/1/2/2    unty Boundary 7/1/2/2    unty Boundary 7/1/2/2     unty Boundary 7/1/2/2     unty Boundary 7/1/2/2      unty Boundary 7/1/2/2	2001   2001	3043 1298 1298 1018 11296 1018 1296 13015 2085 9397 1731 8041 2031 1434 12363 2211 4041	Cryptophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Bacillariophyta Chlorophyta Bacillariophyta Bacillariophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta	Cryptophyceae Coscinodiscophyceae Chlorophyceae Bacillartophyceae Bacillartophyceae Coscinodiscophyceae Bacillartophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae Coscinodiscophyceae	Cryptomonadales Thalassiosirales Volvocales Achnanthales Thalassiosirales Bacillarales Cryptomonadales Volvocales Fragilanales Ochromonadales Chlorococcales Chlorococcales	Cryptomonadaceae Stephanodiscaceae Chlamydomonadaceae Achnanthaceae Stephanodiscaceae Bacillariaceae Cryptomonadaceae Chlamydomonadaceae Fragilariaceae Ochromonadaceae	Rhodomonas Stephanodiscus Chlamydomonas Achnanthes Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	minuta parvus globosa lanceolata hantzschii pumila erosa platystigma	nannoplanctica		Cell-Motile Cell-Nonmotile Cell-Motile Cell-Nonmotile Cell-Nonmotile Cell-Motile	Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml	4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.32178174 0.27958085 0.16352842 0.00527511 0.03692578 0.00014521	4140.156 3597.1847 2104.0137 67.8714 475.0999 1.8683	0.2379 0.2067 0.1209 0.0039
unty Boundary 78/2/2	/2001 /2001	1298   1298   1018   1296   19436   3015   2085   9397   1731   8041   12031   1434   2363   2211   4041   1018	Bacillariophyta Chlorophyta Bacillariophyta Bacillariophyta Bacillariophyta Chlorophyta	Coscinodiscophyceae Chlorophyceae Chlorophyceae Bacillariophyceae Bacillariophyceae Chyptophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae Coscinodiscophyceae Coscinodiscophyceae	Thalassiosirales Volvocales Achanthales Thalassiosirales Bacillarales Cryptomonadales Volvocales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Stephanodiscaceae Chlamydomonadaceae Achnanthaceae Stephanodiscaceae Bacillariaceae Cryptomonadaceae Chlamydomonadaceae Fragilariaceae Ochromonadaceae	Stephanodiscus Chlamydomonas Achnanthes Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	parvus globosa lanceolata hantzschii pumila erosa platystigma	Territorial		Cell-Nonmotile Cell-Motile Cell-Nonmotile Cell-Nonmotile Cell-Motile	Cells/ml Cells/ml Cells/ml Cells/ml Cells/ml	3597.1847 2104.0137 67.8714 475.0999 1.8683	0.27958085 0.16352842 0.00527511 0.03692578 0.00014521	3597.1847 2104.0137 67.8714 475.0999 1.8683	0.2067 0.1209 0.0039
unty Boundary 7/8/20 unty Boundary 7/1/20	2001 2001	2082 1018 1296 9436 3015 2085 9397 1731 8041 2031 1434 2363 2211 4041	Chlorophyta Bacillariophyta Bacillariophyta Bacillariophyta Chlorophyta	Chlorophyceae Bacillariophyceae Coscinodiscophyceae Bacillariophyceae Cryptophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Volvocales Achnanthales Thalassiosirales Bacillarales Cryptomonadales Volvocales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Chlamydomonadaceae Achnarthaceae Stephanodiscaceae Bacillariaceae Cryptomonadaceae Chlamydomonadaceae Fragilariaceae Ochromonadaceae	Chlamydomonas Achnanthes Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	globosa lanceolata hantzschii pumila erosa platystigma			Cell-Motile Cell-Nonmotile Cell-Nonmotile Cell-Motile	Cells/ml Cells/ml Cells/ml Cells/ml	2104.0137 67.8714 475.0999 1.8683	0.16352842 0.00527511 0.03692578 0.00014521	2104.0137 67.8714 475.0999 1.8683	0.1209
untly Boundary 7/3/2/2 untly Boundary 7/1/2/2	2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001	1018   1296   19436   13015   2085   9397   1731   8041   2031   1434   12363   2211   4041	Bacillariophyta Bacillariophyta Bacillariophyta Cryptophyta Chlorophyta	Bacillariophyceae Coscinodiscophyceae Bacillariophyceae Cryptophyceae Chlorophyceae Chlorophyceae Chrysophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Achnanthales Thalassiosirales Bacillarales Cryptomonadales Volvocales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Achnanthaceae Stephanodiscaceae Bacillariaceae Cryptomonadaceae Chlamydomonadaceae Fragilariaceae Ochromonadaceae	Achnanthes Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	lanceolata hantzschii pumila erosa platystigma			Cell-Nonmotile Cell-Nonmotile Cell-Motile	Cells/ml Cells/ml Cells/ml	67.8714 475.0999 1.8683	0.00527511 0.03692578 0.00014521	67.8714 475.0999 1.8683	0.0039
unty Boundary 78,222	2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001 2001	1296   9436   3015   2085   9397   1731   8041   2031   1434   12363   2211   4041	Bacillariophyta Bacillariophyta Cryptophyta Chlorophyta Bacillariophyta Chrysophyta Chlorophyta Chlorophyta Bacillariophyta Chlorophyta Chlorophyta Chlorophyta Chlorophyta	Coscinodiscophyceae Bacillariophyceae Cryptophyceae Chlorophyceae Fragillariophyceae Chlorophyceae Chlorophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Thalassiosirales Bacillarales Cryptomonadales Volvocales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Stephanodiscaceae Bacillariaceae Cryptomonadaceae Chlamydomonadaceae Fragilariaceae Ochromonadaceae	Stephanodiscus Nitzschia Cryptomonas Chlamydomonas Fragilaria	hantzschii pumila erosa platystigma			Cell-Nonmotile Cell-Motile	Cells/ml Cells/ml	475.0999 1.8683	0.00014521	475.0999 1.8683	
unty Boundary 7/3/2/2 unty Boundary 7/1/2/2	2001     2	9436   1 3015   2085   9397   1 731   8041   2031   1434   1 2363   2211   4041	Bacillariophyta Cryptophyta Chlorophyta Bacillariophyta Chlorophyta Chlorophyta Chlorophyta Bacillariophyta Chlorophyta	Bacillariophyceae Cryptophyceae Chlorophyceae Fragilariophyceae Chrysophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Bacillarales Cryptomonadales Volvocales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Bacillariaceae Cryptomonadaceae Chlamydomonadaceae Fragilariaceae Ochromonadaceae	Nitzschia Cryptomonas Chlamydomonas Fragilaria	pumila erosa platystigma			Cell-Motile	Cells/ml	1.8683	0.00014521	1.8683	0.0273
untly Boundary 7/3/2/2 untly Boundary 7/1/2/2	2001 2001 2001 2001 2001 2001 2001 2001	3015 2085 9397   1731 8041 2031 1434   2363 2211 4041	Cryptophyta Chlorophyta Bacillariophyta Chrysophyta Chlorophyta Chlorophyta Bacillariophyta Chlorophyta	Cryptophyceae Chlorophyceae Fragilariophyceae Chrysophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Cryptomonadales Volvocales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Cryptomonadaceae Chlamydomonadaceae Fragilariaceae Ochromonadaceae	Cryptomonas Chlamydomonas Fragilaria	erosa platystigma								0.0001
unty Boundary 7/3/2/ unty Boundary 7/1/2/	2001 2001 2001 2001 2001 2001 2001 2001	9397   1731   8041   2031   1434   1 2363   2211   4041	Chlorophyta Bacillariophyta Chrysophyta Chlorophyta Chlorophyta Chlorophyta Bacillariophyta Chlorophyta	Chlorophyceae Fragilariophyceae Chrysophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Volvocales Fragilariales Ochromonadales Chlorococcales Chlorococcales	Chlamydomonadaceae Fragilariaceae Ochromonadaceae	Chlamydomonas Fragilaria								475.0999	0.0273
unity Boundary 78/20/	2001 2001 2001 2001 2001 2001 2001 2001	1731 8041 2031 1434 2363 2211 4041	Chrysophyta Chlorophyta Chlorophyta Bacillariophyta Chlorophyta	Chrysophyceae Chlorophyceae Chlorophyceae Coscinodiscophyceae	Ochromonadales Chlorococcales Chlorococcales	Ochromonadaceae					Cell-Motile	Cells/ml	1425.2996	0.11077732	1425.2996	0.0819
unty Boundary 7/3/20 unty Boundary 7/3/20 unty Boundary 7/1/20	2001 2001 2001 2001 2001 2001 2001 2001	8041 2031 1434 2363 2211 4041	Chlorophyta Chlorophyta Bacillariophyta Chlorophyta	Chlorophyceae Chlorophyceae Coscinodiscophyceae	Chlorococcales Chlorococcales		Erkenia		vaucheriae		Lateral-Filament	Cells/ml	67.8714	0.00527511		0.011
unty Boundary 7/3/2/2 unty Boundary 7/1/2/2	/2001 /2001 /2001 /2001 /2001 /2001	2031 1434 2363 2211 4041	Chlorophyta Bacillariophyta Chlorophyta	Chlorophyceae Coscinodiscophyceae	Chlorococcales	Oocystaceae		subaequiciliata			Cell-Motile	Cells/ml	67.8714	0.00527511	67.8714	0.0039
unity Boundary 7/12/2	/2001 /2001 /2001 /2001 /2001	1434   2363 2211 4041	Bacillariophyta Chlorophyta	Coscinodiscophyceae			Monoraphidium	capricomutum			Cell-Nonmotile	Cells/ml	67.8714	0.00527511	67.8714	0.0039
unty Boundary 7/12/2	/2001 /2001 /2001 /2001	2363 2211 4041	Chlorophyta			Oocystaceae	Ankistrodesmus	falcatus			Cell-Nonmotile	Cells/ml	67.8714	0.00527511	67.8714	0.0039
unty Boundary 7/12/2	/2001 /2001 /2001	2211 4041		Chiorophyceae	Aulacoseirales	Aulacoseriaceae	Aulacoseira	italica			Filament	Cells/ml	94.5827 3.5031	0.00585935	342.8622 28.0245	0.0178
unity Boundary 7/12/2	/2001 /2001	4041	Chiorophyta		Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml		0.00021702	74.7315	0.0014
unity Boundary 7/12/2	/2001		Ouenanh to	Chlorophyceae	Chlorococcales Nostocales	Dictyosphaeriaceae Nostocaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile Multi-Filament	Cells/ml Cells/ml	14.0122 45.5398	0.00086805	1705.6706	0.0038
unty Boundary 7/12/2			Cyanophyta Cryptophyta	Cyanophyceae Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Aphanizomenon Cryptomonas	flos-aquae erosa			Cell-Motile	Cells/ml	129.6133	0.00202111	129.6133	0.0067
unty Boundary 7/12/2 unty Boundary 7/12/2 unty Boundary 7/12/2 unty Boundary 7/12/2 unty Boundary 7/12/2 unty Boundary 7/12/2 unty Boundary 7/12/2	72001		Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	61030			Cell-Motile	Cells/ml	3.5031	0.00021702	3.5031	0.0001
unity Boundary 7/12/2 unity Boundary 7/12/2 unity Boundary 7/12/2 unity Boundary 7/12/2 unity Boundary 7/12/2		2382	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	boryanum			Colonial-Nonmotile	Cells/ml	3.5031	0.00021702	21.0184	0.0010
unty Boundary 7/12/2 unty Boundary 7/12/2 unty Boundary 7/12/2 unty Boundary 7/12/2			Bacillariophyta	Bacillariophyceae	Surirellales	Surirellaceae	Surirella	brebissonii	kuetzingii		Cell-Motile	Cells/ml	3.5031	0.00021702	3.5031	0.0001
unty Boundary 7/12/2 unty Boundary 7/12/2 unty Boundary 7/12/2		2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	3.5031	0.00021702	224.196	0.0116
unty Boundary 7/12/2 unty Boundary 7/12/2		2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	10.5092	0.00065104	84.0735	0.0043
unty Boundary 7/12/2 unty Boundary 7/12/2	/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	10.5092	0.00065104	10.5092	0.0005
unty Boundary   7/12/2	/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	3.5031	0.00021702	3.5031	0.0001
		6034	Pymhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	3.5031	0.00021702	3.5031	0.0001
unty Boundary 7/12/2		3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	4006.2985	0.24818833	4006.2985	0.2081
unty Boundary 7/12/2			Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	6174.413	0.38250202	6174.413	0.320
unty Boundary 7/12/2			Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	cryptotenella			Cell-Motile	Cells/ml	11.6769	0.00072338	11.6769	0.0006
unty Boundary 7/12/2		2085	Chlorophyta	Chlorophyceae	Volvocales	Chlorococcae	Chlamydomonas	platystigma		2.0.0 um enharical	Cell-Motile	Cells/ml	424.1963 2073.8486	0.02627876	424.1963 2073.8486	0.0220
unty Boundary 7/12/2 unty Boundary 7/12/2		2683 1446	Chlorophyta Bacillariophyta	Chlorophyceae Coscinodiscophyceae	Chlorococcales Thalassiosirales	Chlorococcaceae Stephanodiscaceae	Stephanodiscus	parvus	- 4	2-9.9 um spherical	Cell-Nonmotile Cell-Nonmotile	Cells/ml Cells/ml	424.1963	0.12847396	424.1963	0.0220
unty Boundary 7/12/2			Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	palea	'		Cell-Motile	Cells/ml	377.0634	0.0233589	377.0634	0.0195
unty Boundary 7/12/2		1570	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Ochromonas	parea			Cell-Motile	Cells/ml	11.6769	0.00072338	11.6769	0.0006
unty Boundary 7/12/2		2487	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	dimorphus			Colonial-Nonmotile	Cells/ml	47.1329	0.00291986	188.5317	0.0097
unty Boundary 7/12/2			Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	518.4622	0.03211849	518.4622	0.0269
unty Boundary 7/12/2		8308	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	serratus			Colonial-Nonmotile	Cells/ml	94.2658	0.00583972	188.5317	0.0097
unty Boundary 7/12/2			Bacillariophyta	Bacillariophyceae	Achnanthales	Cocconiedaceae	Cocconeis	placentula	lineata		Cell-Nonmotile	Cells/ml	47.1329	0.00291986	47.1329	0.0024
unty Boundary 7/12/2		1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erkenia	subaequiciliata			Cell-Motile	Cells/ml	188.5317	0.01167945	188.5317	0.0097
unty Boundary 7/12/2			Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	tenera			Cell-Nonmotile	Cells/ml	47.1329	0.00291986	47.1329	0.0024
unty Boundary 7/12/2		2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	471.3292	0.02919863	471.3292	0.024
unty Boundary 7/12/2		1127	Chrysophyta	Chrysophyceae	Ochromonadales	Dinobryaceae	Dinobryon	divergens			Colonial-Motile	Cells/ml	47.1329	0.00291986	47.1329	0.0024
unty Boundary 7/12/2		8226	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	intermedius			Colonial-Nonmotile	Cells/ml	47.1329	0.00291986	188.5317	0.0097
unty Boundary 7/12/2		2031	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus	falcatus			Cell-Nonmotile	Cells/ml	47.1329	0.00291986	47.1329	0.0024
unty Boundary 7/12/2	72001		Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	141.3988	0.00875959	329.9258	0.0171
unty Boundary 7/12/2 unty Boundary 7/12/2		2491 2462	Chlorophyta	Chlorophyceae	Chlorococcales Chlorococcales	Chlorococcaceae	Schroederia	judayi lacustris			Cell-Nonmotile Colonial-Nonmotile	Cells/ml Cells/ml	47.1329 47.1329	0.00291986	47.1329 94.2658	0.0024
unty Boundary 7/12/2			Chlorophyta Bacillariophyta	Chlorophyceae Bacillariophyceae	Bacillarales	Oocystaceae Bacillariaceae	Quadrigula Nitrechia				Colonial-Nonmotile	Cells/ml	282.7975	0.00291986	282.7975	0.0048
unty Boundary 7/12/2			Bacillariophyta Bacillariophyta	Fragilariophyceae	Fragilariales	Bacillariaceae Fragilariaceae	Nitzschia Fragilaria	acicularis construens			Lateral-Filament	Cells/ml	47.1329	0.00291986	94.2658	0.0048
unty Boundary 7/12/2			Bacillariophyta	Bacillariophyceae	Naviculales	Naviculaceae	Navicula	cryptocephala			Cell-Motile	Cells/ml	94.2658	0.00291900	94.2658	0.0048
unty Boundary 7/12/2		6033	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 2			Cell-Motile	Cells/ml	47.1329	0.00383972	47.1329	0.0024
unty Boundary 7/12/2		102793	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	acutus			Colonial-Nonmotile	Cells/ml	47.1329	0.00291986	188.5317	0.0024
unty Boundary 7/25/2			Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	3.3629	0.00291988	6.7259	0.0006
unty Boundary 7/25/2		3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	22.6998	0.00030229	22.6998	0.002
unty Boundary 7/25/2		8030	Chlorophyta	Chlorophyceae	Microsporales	Microsporaceae	Microspora	0.000			Filament	Cells/ml	5.8851	0.00063401	17.6554	0.0017
unty Boundary 7/25/2		2211	Chlorophyta	Chlorophyceae	Chlorococcales	Dictyosphaeriaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile	Cells/ml	5.0444	0.00054344	62.2142	0.0060

Table B-5. Continue	ed.											I				In-letin deal
	Sample	Taxa										Customer requested		Relative	Algal cell	Relative algal cell
Site	date	identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	units	Concentration	concentration	concentration	
Little Hole Draw	7/25/2001	1000049	Chlorophyta	Chlorophyceae	Bryopsidales	Dichotomosiphonaceae	Dichotomococcus	curvatus			Colonial-Nonmotile	Cells/ml	16.9679	0.00276216	67.8714	0.00872858
Little Hole Draw	7/25/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	339.3571	0.05524314	339.3571	0.04364291
Little Hole Draw	7/25/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	101.8071	0.01657294	101.8071	0.01309287
Little Hole Draw	7/25/2001	2911	Chlorophyta	Chlorophyceae	Ulotrichales	Ulotrichaceae	Stichococcus	bacillaris			Colonial-Nonmotile	Cells/ml	169.6785	0.02762156	169.6785	0.02182145
Little Hole Draw	7/25/2001 7/25/2001	9504	Chlorophyta Bacillariophyta	Chlorophyceae Fragilariophyceae	Chlorococcales Fragilariales	Oocystaceae Fragilariaceae	Monoraphidium Synedra	capricomutum tenera			Cell-Nonmotile Cell-Nonmotile	Cells/ml	33.9357 50.9036	0.00552431	33.9357 50.9036	0.00436429
Little Hole Draw	7/25/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	296.9374	0.04833774	296.9374	0.03818754
	7/25/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	67.8714	0.01104863	67.8714	0.00872858
Little Hole Draw	7/25/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae		globosa			Cell-Motile	Cells/ml	33.9357	0.00552431	33.9357	0.00436429
	7/25/2001	1222	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	16.9679	0.00276216	16.9679	0.00218215
	7/25/2001	4054	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Aphanocapsa	delicatissima			Colonial-Nonmotile	Cells/ml	16.9679	0.00276216	509.0356	0.06546436
	7/25/2001	1221	Chlorophyta	Chlorophyceae	Chlorococcales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile Colonial-Nonmotile	Cells/ml Cells/ml	16.9679 16.9679	0.00276216	16.9679	0.00218215
Little Hole Draw	7/25/2001 7/25/2001	8308 2491	Chlorophyta Chlorophyta	Chlorophyceae Chlorophyceae	Chlorococcales Chlorococcales	Scenedesmaceae Chlorococcaceae	Scenedesmus Schroederia	serratus iudavi			Cell-Nonmotile	Cells/ml	16.9679	0.00276216	33.9357 16.9679	0.00436429
Little Hole Draw	7/25/2001	4264	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0.00270210	33.9357	0.00436429
Little Hole Draw	7/25/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	quadricauda			Colonial-Nonmotile	Cells/ml	33.9357	0.00552431	67.8714	0.00872858
Little Hole Draw	7/25/2001	2031	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Ankistrodesmus	falcatus			Cell-Nonmotile	Cells/ml	33.9357	0.00552431	33.9357	0.00436429
	8/2/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	1025.6965	0.83443655	37215.1412	0.98390436
Little Hole Draw	8/2/2001	6011	Pyrrhophyta	Dinophyceae	Gonyaulacales	Certiaceae	Ceratium	hirundinella			Cell-Motile	Cells/ml	2.8024	0.00227984	2.8024	0.00007409
Little Hole Draw	8/2/2001	2381 3015	Chlorophyta	Chilorophyceae	Chlorococcales	Hydrodictyaceae Cryptomonadaceae	Pediastrum	orcea			Colonial-Nonmotile Cell-Motile	Cells/ml	2.8024 5.6049	0.00227984	168.147 5.6049	0.00444552
Little Hole Draw Little Hole Draw	8/2/2001 8/2/2001	4261	Cryptophyta Cyanophyta	Cryptophyceae Cyanophyceae	Cryptomonadales Chroococcales	Cryptomonadaceae Chroococcaceae	Cryptomonas Microcystis	erosa aeruginosa			Colonial-Nonmotile	Cells/ml Cells/ml	0.0049	0.00455976	228.632	0.00604464
Little Hole Draw	8/2/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	microcysus	uerugiii05a		>1 um spherical	Cell-Nonmotile	Cells/ml	45.2476	0.03681035	45.2476	0.00004464
Little Hole Draw	8/2/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica	. a aprioriodi	Cell-Motile	Cells/ml	90.4952	0.07362071	90.4952	0.00239254
Little Hole Draw	8/2/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	45.2476	0.03681035	45.2476	0.00119627
Little Hole Draw	8/2/2001	4092	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Coelosphaerium	naegelianum			Colonial-Nonmotile	Cells/ml	0	0	11.3119	0.00029907
Little Hole Draw	8/2/2001	7140	Miscellaneous							Microflagellate	Cell-Motile	Cells/ml	11.3119	0.00920259	11.3119	0.00029907
Little Hole Draw	8/8/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	quadricauda			Colonial-Nonmotile	Cells/ml	4.6707	0.0014936	18.683	0.00018945
Little Hole Draw	8/8/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	2522.2045	0.80655417	97219.3822	0.98584874
Little Hole Draw Little Hole Draw	8/8/2001 8/8/2001	4261 8101	Cyanophyta Chlorophyta	Cyanophyceae Chlorophyceae	Chroococcales Volvocales	Chroococcaceae Chlamydomonadaceae	Microcystis Pyramichlamys	aeruginosa dissecta			Colonial-Nonmotile Cell-Motile	Cells/ml	4.6707	0.0014936	776.5815 4.6707	0.00787489
Little Hole Draw	8/8/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	509.0356	0.16278013	509.0356	0.00516185
Little Hole Draw	8/8/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	Паннориансиса		Cell-Nonmotile	Cells/ml	33.9357	0.01085201	33.9357	0.00034412
Little Hole Draw	8/8/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	33.9357	0.01085201	33.9357	0.00034412
Little Hole Draw	8/8/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	18.683	0.00597448	18.683	0.00018945
County Boundary	6/6/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	19.7272	0.08445474	19.7272	0.00542951
County Boundary	6/6/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	3.9454	0.01689078	3.9454	0.00108589
	6/6/2001	2160 2462	Chlorophyta	Chlorophyceae	Zygnematales Chlorococcales	Desmidiaceae	Closterium Quadrigula	lacustris			Cell-Nonmotile Colonial-Nonmotile	Cells/ml Cells/ml	8.6811 0.6576	0.03716493	8.6811 0.6576	0.00238929
	6/6/2001	101930	Chlorophyta Chlorophyta	Chlorophyceae Chlorophyceae	Ulotrichles	Oocystaceae Ulotrichaceae	Geminella	interrupta			Filament	Cells/ml	92.0605	0.39412312	2852.7789	0.78516866
	6/6/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augstumalis			Complex-Filament	Cells/ml	15.7818	0.06756396	508.1738	0.13986438
	6/6/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	0.6576	0.00281527	0.6576	0.00018099
	6/6/2001	1439	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseriaceae	Aulacoseira	canadensis			Filament	Cells/ml	0.6576	0.00281527	0.6576	0.00018099
	6/6/2001	2382	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	boryanum			Colonial-Nonmotile	Cells/ml	0.6576	0.00281527	10.5212	0.00289574
	6/6/2001		Bacillariophyta	Bacillariophyceae	Cymbellales	Cymbellaceae	Cymbella				Cell-Nonmotile	Cells/ml	1.3151	0.00563012	1.3151	0.00036195
	6/6/2001	4290	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Nostoc	tononio			Colonial-Nonmotile	Cells/ml	0.6576	0.00281527	131.515	0.0361968
County Boundary  County Boundary	6/6/2001	1152 9212	Bacillariophyta Bacillariophyta	Fragilariophyceae Bacillariophyceae	Fragilariales Achnanthales	Fragilariaceae Cocconiedaceae	Fragilaria Cocconeis	crotonensis placentula	lineata		Lateral-Filament Cell-Nonmotile	Cells/ml Cells/ml	0.6576 1.3151	0.00281527	6.5757 1.3151	0.00180983
	6/6/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Coccolleis	pracentula	miesta	>1 um spherical	Cell-Nonmotile	Cells/ml	52.0868	0.22299045	52.0868	0.01433582
	6/6/2001	1221	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	acicularis		. a opriorioui	Cell-Motile	Cells/ml	8.6811	0.03716493	8.6811	0.00238929
County Boundary	6/6/2001	1222	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	8.6811	0.03716493	8.6811	0.00238929
	6/6/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	17.3623	0.07433029	17.3623	0.00477862
	6/20/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	208.3474	0.0110896	208.3474	0.01048764
County Boundary	6/20/2001	3043 2683	Chlorophyta	Chlorophyceae	Chlorococcalos	Chlorococcae	Rhodomonas	minuta	nannoplanctica	2.00 um anhad	Cell-Motile	Cells/ml	1823.0395 208.3474	0.09703402	1823.0395 208.3474	0.09176685
	6/20/2001 6/20/2001	1731	Chlorophyta Chrysophyta	Chlorophyceae	Ochromonadales	Ochromonadaceae	Erkenia	subapquicilists		2-9.9 um spherical	Cell-Nonmotile Cell-Motile	Cells/ml Cells/ml	208.3474 833.3895	0.0110896	208.3474 833.3895	0.01048764
	6/20/2001	2085	Chlorophyta	Chrysophyceae Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	subaequiciliata platystigma			Cell-Motile	Cells/ml	312.5211	0.04433641	312.5211	0.04193036
	6/20/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Sinoniyaomonas	procysugina		>1 um spherical	Cell-Nonmotile	Cells/ml	9766.2829	0.51982511	9766.2829	0.49160813
County Boundary			Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	3958.6	0.21070245	3958.6	0.19926516
	6/20/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	104.1737	0.0055448	104.1737	0.00524382
County Boundary	6/20/2001	8041	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Monoraphidium	capricomutum			Cell-Nonmotile	Cells/ml	52.0868	0.0027724	52.0868	0.00262191
	6/20/2001	1446	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	729.2158	0.03881361	729.2158	0.03670674
County Boundary (	6/20/2001	1152	Bacillariophyta Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae Stophanadiaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	156.2605	0.0083172	989.6448	0.04981603
	6/20/2001	1296 9123	Bacillariophyta Bacillariophyta	Coscinodiscophyceae Bacillariophyceae	Thalassiosirales Bacillarales	Stephanodiscaceae Bacillariaceae	Stephanodiscus Nitzschia	hantzschii palea			Cell-Nonmotile Cell-Motile	Cells/ml Cells/ml	104.1737	0.0055448	104.1737 104.1737	0.00524382
	6/20/2001		Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	acicularis			Cell-Motile	Cells/ml	52.0868	0.0055448	52.0868	0.00524362
	0-2012001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	52.0868	0.0027724	52.0868	0.00262191
County Boundary	6/20/2001				- 7111114-0111404											0.00262191
County Boundary   County Boundary	6/20/2001			Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	capucina			Lateral-Filament	Cells/ml	52.0868	0.0027724	52.0868	
County Boundary   County Boundary	6/20/2001	1153	Bacillariophyta Bacillariophyta	Fragilariophyceae Bacillariophyceae	Fragilariales Cymbellales	Fragilariaceae Gomphonemataceae	Fragilaria Gomphonema	capucina parvulum			Cell-Nonmotile	Cells/ml	52.0868	0.0027724	52.0868 52.0868	0.00262191
County Boundary   County Bound	6/20/2001 6/20/2001 6/20/2001	1153 1161 1411	Bacillariophyta	Fragilariophyceae	Cymbellales Ochromonadales						Cell-Nonmotile Colonial-Motile	Cells/ml Cells/ml	52.0868 52.0868	0.0027724 0.0027724	52.0868 104.1737	0.00262191 0.00524382
County Boundary   County Bound	6/20/2001 6/20/2001 6/20/2001 6/20/2001	1153 1161	Bacillariophyta Bacillariophyta	Fragilariophyceae Bacillariophyceae	Cymbellales	Gomphonemataceae	Gomphonema	parvulum			Cell-Nonmotile	Cells/ml	52.0868	0.0027724	52.0868	0.00262191

												Customer				Relative algo
	Sample	Taxa										requested		Relative	Algal cell	cell
Site	date	identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	units	Concentration	concentration	concentration	
ittle Hole Draw	7/3/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva	10.1019	morph	Colonial-Nonmotile	Cells/ml	1.4012	0.00075926	5.6049	0.0016852
ittle Hole Draw	7/3/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	2.8024	0.00073320	20.3178	0.0061091
ittle Hole Draw	7/3/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	TOTTIOSA			Colonial-Nonmotile	Cells/ml	2.8024	0.00151851	141.9909	0.0426937
ittle Hole Draw	7/3/2001	2371	Chlorophyta	Chlorophyceae	Volvocales	Volvocaceae	Pandorina	morum			Colonial-Motile	Cells/ml	0.7006	0.00037963	5.6049	0.0016852
ittle Hole Draw		2462	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Quadrigula	lacustris			Colonial-Nonmotile	Cells/ml	0.7006	0.00037963	2.8024	0.0008426
ittle Hole Draw	7/3/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	0.7006	0.00037963	7.6431	0.0022981
ittle Hole Draw	7/3/2001	2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	1.4012	0.00075926	7.0061	0.0021065
ittle Hole Draw	7/3/2001	9504	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	tenera			Cell-Nonmotile	Cells/ml	0.7006	0.00037963	0.7006	0.0002106
ittle Hole Draw	7/3/2001	1328	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	cyclopum			Cell-Nonmotile	Cells/ml	0.7006	0.00037963	0.7006	0.0002106
ittle Hole Draw	7/3/2001	2382	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	boryanum			Colonial-Nonmotile	Cells/ml	0.7006	0.00037963	11.2098	0.0033705
ttle Hole Draw	7/3/2001	9818	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	0.7006	0.00037963	0.7006	0.0002106
ttle Hole Draw	7/3/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	984.1354	0.53326492	984.1354	0.2959090
ttle Hole Draw	7/3/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	11110 0011101100	11111000	That it is prairie to	2-9.9 um spherical	Cell-Nonmotile	Cells/ml	305.4213	0.16549599	305.4213	0.0918338
ttle Hole Draw	7/3/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus		2-0.0 din opnonedi	Cell-Nonmotile	Cells/ml	33.9357	0.01838844	33.9357	0.0102037
ittle Hole Draw	7/3/2001	7140	Miscellaneous		111010001101101101	01001101101010101	010 11011001000	po-100		Microflagellate	Cell-Motile	Cells/ml	33.9357	0.01838844	33.9357	0.0102037
ttle Hole Draw	7/3/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	16.9679	0.00919425	16.9679	0.0051018
ttle Hole Draw	7/3/2001	1731	Chrysophyta	Chrysophyceae	Ochromonadales	Ochromonadaceae	Erkenia	subaequiciliata			Cell-Motile	Cells/ml	33.9357	0.01838844	33.9357	0.0102037
ttle Hole Draw	7/3/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	67.8714	0.03677689	67.8714	0.0204075
ttle Hole Draw	7/3/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi			Cell-Nonmotile	Cells/ml	67.8714	0.03677689	67.8714	0.0204075
ttle Hole Draw	7/3/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae		globosa			Cell-Motile	Cells/ml	16.9679	0.00919425	16.9679	0.0051018
	7/12/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	178.6562	0.18020501	5705.3307	0.7660928
ttle Hole Draw		1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseriaceae	Aulacoseira	italica			Filament	Cells/ml	4.2037	0.00424014	9.8084	0.0013170
tle Hole Draw		8303	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	opoliensis	carinatus		Colonial-Nonmotile	Cells/ml	0.7006	0.00070667	2.8024	0.000376
ttle Hole Draw	7/12/2001	2491	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	judayi	10		Cell-Nonmotile	Cells/ml	4.9043	0.00494682	4.9043	0.0006585
		2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	1.4012	0.00141335	1.4012	0.0001881
tle Hole Draw	7/12/2001	9123	Bacillariophyta	Bacillariophyceae	Bacillarales	Bacillariaceae	Nitzschia	palea			Cell-Motile	Cells/ml	1.4012	0.00141335	1.4012	0.0001881
ttle Hole Draw	7/12/2001	2071	Chlorophyta	Chlorophyceae	Chlorococcales	Characiaceae	Characium	limneticum			Cell-Nonmotile	Cells/ml	0.7006	0.00070667	0.7006	0.0000940
ttle Hole Draw	7/12/2001	9818	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	0.7006	0.00070667	0.7006	0.0000940
tle Hole Draw		3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	2.8024	0.00282669	2.8024	0.000376
tle Hole Draw	7/12/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	0.7006	0.00070667	0.7006	0.0000940
ttle Hole Draw		8030	Chlorophyta	Chlorophyceae	Microsporales	Microsporaceae	Microspora				Filament	Cells/ml	1.4012	0.00141335	1.4012	0.0001881
		2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	1.4012	0.00141335	33.6294	0.0045156
ttle Hole Draw	7/12/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	5.6049	0.00565349	5.6049	0.0007526
tle Hole Draw	7/12/2001	2369	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	lacustris			Colonial-Nonmotile	Cells/ml	0.7006	0.00070667	0.7006	0.0000940
ttle Hole Draw	7/12/2001	4172	Cyanophyta	Cyanophyceae	Oscillatoriales	Oscillatoriaceae	Oscillatoria	limnetica			Filament	Cells/ml	1.4012	0.00141335	15.2861	0.0020525
ttle Hole Draw	7/12/2001	2382	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum	boryanum			Colonial-Nonmotile	Cells/ml	2.1018	0.00212002	49.0428	0.0065853
ttle Hole Draw	7/12/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	1.4012	0.00141335	2.8024	0.000376
	7/12/2001	4261	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Microcystis	aeruginosa			Colonial-Nonmotile	Cells/ml	0	0	313.128	0.0420457
ttle Hole Draw		2371	Chlorophyta	Chlorophyceae	Volvocales	Volvocaceae	Pandorina	morum			Colonial-Motile	Cells/ml	0.7006	0.00070667	5.6049	0.0007526
ttle Hole Draw		3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	407.2285	0.41075885	407.2285	0.0546812
ttle Hole Draw		2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	101.8071	0.10268969	101.8071	0.0136703
ttle Hole Draw	7/12/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	33.9357	0.0342299	33.9357	0.0045567
ttle Hole Draw	7/12/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	67.8714	0.06845979	67.8714	0.0091135
ttle Hole Draw	7/12/2001	2861	Chlorophyta	Prasinophyceae	Prasinocladales	Pedinomonadaceae	Monomastix	astigmata			Cell-Motile	Cells/ml	135.7428	0.13691958	135.7428	0.0182270
ttle Hole Draw	7/12/2001	10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augstumalis			Complex-Filament	Cells/ml	33.9357	0.0342299	542.9713	0.0729083
ttle Hole Draw	7/25/2001	1434	Bacillariophyta		Aulacoseirales	Aulacoseriaceae	Aulacoseira	italica			Filament	Cells/ml	18.4962	0.00301095	136.0781	0.0175002
ttle Hole Draw	7/25/2001	1432	Bacillariophyta		Aulacoseirales	Aulacoseriaceae	Aulacoseira	granulata			Filament	Cells/ml	18.4962	0.00301095	162.3557	0.020879
ttle Hole Draw	7/25/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	1.2611	0.00020529	1.2611	0.0001621
ttle Hole Draw	7/25/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	9.6685	0.00157391	508.6195	0.0654108
tle Hole Draw	7/25/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	23.9609	0.00390054	23.9609	0.0030814
tle Hole Draw	7/25/2001	1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml	0.8407	0.00013686	3.3629	0.0004324
tle Hole Draw	7/25/2001	9818	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	medius			Cell-Nonmotile	Cells/ml	6.3055	0.00102646	6.3055	0.0008109
ttle Hole Draw	7/25/2001	2211	Chlorophyta	Chlorophyceae	Chlorococcales	Dictyosphaeriaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile	Cells/ml	1.6815	0.00027373	14.5728	0.001874
tle Hole Draw	7/25/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	0.8407	0.00013686	6.7259	0.0008649
tle Hole Draw	7/25/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae		dissecta			Cell-Motile	Cells/ml	27.7442	0.00451641	27.7442	0.0035680
tle Hole Draw		2194	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Crucigenia	crucifera			Colonial-Nonmotile	Cells/ml	0.4204	0.00006844	2.9426	0.0003784
tle Hole Draw	7/25/2001	3065	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	gracilis			Cell-Motile	Cells/ml	0.4204	0.00006844	0.4204	0.0000540
tle Hole Draw	7/25/2001	2371	Chlorophyta	Chlorophyceae	Volvocales	Volvocaceae	Pandorina	morum			Colonial-Motile	Cells/ml	0.8407	0.00013686	13.4518	0.0017299
tle Hole Draw	7/25/2001	8011	Chlorophyta	Chlorophyceae	Chlorococcales	Actinodiscaceae	Deasonia	Gigantica			Cell-Nonmotile	Cells/ml	0.4204	0.00006844	0.4204	0.0000540
tle Hole Draw	7/25/2001	4168	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Merismopedia	punctata			Colonial-Nonmotile	Cells/ml	0.4204	0.00006844	3.3629	0.0004324
tle Hole Draw	7/25/2001	9317	Bacillariophyta	Bacillariophyceae	Surirellales	Surirellaceae	Surirella	brebissonii	kuetzingii		Cell-Motile	Cells/ml	0.4204	0.00006844	0.4204	0.0000540
tle Hole Draw	7/25/2001	2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	0.4204	0.00006844	1.6815	0.000216
tle Hole Draw	7/25/2001	2381	Chlorophyta	Chlorophyceae	Chlorococcales	Hydrodictyaceae	Pediastrum				Colonial-Nonmotile	Cells/ml	2.5222	0.00041058	90.7994	0.011677
tle Hole Draw	7/25/2001	9506	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna	ulna		Cell-Nonmotile	Cells/ml	0.4204	0.00006844	0.4204	0.000054
tle Hole Draw	7/25/2001	6033	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 2			Cell-Motile	Cells/ml	0.8407	0.00013686	0.8407	0.000108
tle Hole Draw	7/25/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	1.2611	0.00020529	15.1332	0.001946
ttle Hole Draw		5021	Euglenophyta	Euglenophyceae	Euglenales	Euglenaceae	Euglena	gracilis			Cell-Motile	Cells/ml	0.4204	0.00006844	0.4204	0.000054
ttle Hole Draw	7/25/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	0.8407	0.00013686	0.8407	0.000108
ttle Hole Draw	7/25/2001	2567	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Tetraedron	regulare	incus		Cell-Nonmotile	Cells/ml	0.4204	0.00006844	0.4204	0.000054
ttle Hole Draw	7/25/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	356.3249	0.05800529	356.3249	0.0458250
tle Hole Draw	7/25/2001	2561	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Tetrastrum	staurogeniaeforme			Colonial-Nonmotile	Cells/ml	33.9357	0.00552431	135.7428	0.0174571
		1298		Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	3139.0527	0.51099899	3139.0527	0.4036968
	7/25/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	.,,	F		2-9.9 um spherical		Cells/ml		0.20025636		

												Customer				Relative alg
	Sample	Taxa										requested		Relative	Algal cell	cell
Site	date	identification	Division	Class	Order	Family	Genus	Species	Variety	Morph	Coloniality	units	Concentration	concentration	concentration	concentrati
Dam	8/8/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	0.8407	0.0014805	0.8407	0.0002798
Dam	8/8/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	0.4204	0.00074034	1.6815	0.0005597
Dam	8/8/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	0.4204	0.00074034	0.4204	0.0001399
Dam	8/8/2001	2211	Chlorophyta	Chlorophyceae	Chlorococcales	Dictyosphaeriaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile	Cells/ml	0.8407	0.0014805	3.3629	0.0011194
Dam	8/8/2001	2884	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	quadricauda			Colonial-Nonmotile	Cells/ml	0.4204	0.00074034	0.8407	0.0002798
Dam	8/8/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	0.4204	0.00074034	0.4204	0.0001399
Dam	8/8/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	0.4204	0.00074034	0.4204	0.0001399
Dam	8/8/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	254.5178	0.44821458	254.5178	0.0847242
Dam	8/8/2001	4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	67.8714	0.11952387	67.8714	0.0225931
Dam	8/8/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	16.9679	0.02988105	16.9679	0.005648
Dam	8/8/2001	2683	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae				2-9.9 um spherical	Cell-Nonmotile	Cells/ml	33.9357	0.05976193	33.9357	0.0112965
Dam	8/8/2001	1298	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	67.8714	0.11952387	67.8714	0.0225931
Dam	8/8/2001	8308	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Scenedesmus	serratus			Colonial-Nonmotile	Cells/ml	16.9679	0.02988105	33.9357	0.0112965
Dam	8/8/2001	2492	Chlorophyta	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	0.4204	0.00074034	0.4204	0.0001399
Fenstermaker	8/8/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	155.5359	0.03362825	155.5359	0.011383
Fenstermaker	8/8/2001	8101	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Pyramichlamys	dissecta			Cell-Motile	Cells/ml	28.0245	0.00605915	28.0245	0.002051
Fenstermaker	8/8/2001	2363	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	parva			Colonial-Nonmotile	Cells/ml	19.6171	0.00424139	106.4936	0.007794
Fenstermaker	8/8/2001	4041	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Aphanizomenon	flos-aquae			Multi-Filament	Cells/ml	281.6462	0.06089443	8551.8199	0.625915
Fenstermaker	8/8/2001	1432	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseriaceae	Aulacoseira	granulata			Filament	Cells/ml	71.4625	0.01545083	365.2518	0.026733
Fenstermaker	8/8/2001	2211	Chlorophyta	Chlorophyceae	Chlorococcales	Dictyosphaeriaceae	Dictyosphaerium	pulchellum			Colonial-Nonmotile	Cells/ml	11.2098	0.00242366	89.6784	0.0065636
Fenstermaker	8/8/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa			Cell-Motile	Cells/ml	7.0061	0.00151478	7.0061	0.000512
Fenstermaker	8/8/2001	6034	Pyrrhophyta	Dinophyceae	Gymnodinales	Gymnodiniaceae	Gymnodinium	sp. 3			Cell-Motile	Cells/ml	4.2037	0.00090888	4.2037	0.000307
Fenstermaker	8/8/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	5.6049	0.00121183	5.6049	0.000410
Fenstermaker	8/8/2001	9504	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	tenera			Cell-Nonmotile	Cells/ml	2.8024	0.0006059	2.8024	0.000205
Fenstermaker	8/8/2001	9506	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	ulna	ulna		Cell-Nonmotile	Cells/ml	2.8024	0.0006059	2.8024	0.000205
Fenstermaker	8/8/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	7.0061	0.00151478	42.0367	0.003076
Fenstermaker	8/8/2001	4052	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae	Aphanocapsa	koordersi			Colonial-Nonmotile	Cells/ml	1.4012	0.00030295	42.0367	0.003076
Fenstermaker	8/8/2001	2331	Chlorophyta	Chlorophyceae	Chlorococcales	Micractinaceae	Micractinium	pusillum			Colonial-Nonmotile	Cells/ml	7.0061	0.00151478	63.0551	0.0046150
Fenstermaker	8/8/2001	2021	Chlorophyta	Chlorophyceae	Chlorococcales	Scenedesmaceae	Actinastrum	hantzschii			Cell-Nonmotile	Cells/ml	5.6049	0.00121183	39.2343	0.0028719
Fenstermaker	8/8/2001	1180	Chrysophyta	Chrysophyceae	Ochromonadales	Synuraceae	Mallomonas	Trainazo er m			Cell-Motile	Cells/ml	5.6049	0.00121183	5.6049	0.000410
Fenstermaker	8/8/2001	1430	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseriaceae	Aulacoseira				Filament	Cells/ml	1.4012	0.00030295	8.7577	0.0006409
Fenstermaker	8/8/2001	2085	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	2.8024	0.0006059	2.8024	0.0002051
Fenstermaker	8/8/2001	1298	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile	Cells/ml	2070.078	0.4475694	2070.078	0.151510
Fenstermaker	8/8/2001	3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	916.264	0.19810448	916.264	0.0670621
Fenstermaker	8/8/2001	8041	Chlorophyta	Chlorophyceae	Chlorococcales	Occvstaceae	Monoraphidium	capricomutum	паннориневса		Cell-Nonmotile	Cells/ml	33.9357	0.0073372	33.9357	0.0024837
Fenstermaker	8/8/2001	1222	Bacillariophyta		Bacillarales	Bacillariaceae	Nitzschia	gracilis			Cell-Motile	Cells/ml	33.9357	0.0073372	33.9357	0.0024837
Fenstermaker	8/8/2001	1296	Bacillariophyta		Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	203.6142	0.0073372	203.6142	0.014902
Fenstermaker	8/8/2001	9123			Bacillarales	Bacillariaceae	Nitzschia				Cell-Motile	Cells/ml	33 9357	0.0073372	33.9357	0.002483
Fenstermaker	8/8/2001	2561	Bacillariophyta Chlorophyta	Bacillariophyceae	Chlorococcales		Tetrastrum	palea			Colonial-Nonmotile	Cells/ml	33.9357	0.0073372	135.7428	0.002465
Fenstermaker	8/8/2001	2884	Chlorophyta	Chlorophyceae Chlorophyceae	Chlorococcales	Scenedesmaceae Scenedesmaceae	Scenedesmus	staurogeniaeforme quadricauda			Colonial-Nonmotile	Cells/ml	33.9357	0.0073372	67.8714	0.004967
Fenstermaker	8/8/2001	1731	Chrysophyta		Ochromonadales	Ochromonadaceae	Erkenia	subaequiciliata			Cell-Motile	Cells/ml	67.8714	0.0075372	67.8714	0.0049675
Fenstermaker	8/8/2001	2911	Chlorophyta	Chrysophyceae Chlorophyceae	Ulotrichales	Ulotrichaceae	Stichococcus	bacillaris			Colonial-Nonmotile	Cells/ml	237.5499	0.05136042	237.5499	0.0043073
Fenstermaker	8/8/2001	4285			Chroococcales		Sucriococcus	Dacilians		>1 um enhorical	Cell-Nonmotile	Cells/ml	101.8071	0.02201161	101.8071	0.0074513
Fenstermaker	8/8/2001		Cyanophyta	Cyanophyceae	Chlorococcales	Chroococcaceae Chlorococcaceae				>1 um spherical 2-9.9 um spherical	Cell-Nonmotile	Cells/ml	237.5499	0.05136042	237.5499	0.007431
	6/20/2001	2683 3069	Chlorophyta	Chlorophyceae			Cryptomonas	rostratiformis		2-9.9 um spriencar	Cell-Motile	Cells/ml	87.6766	0.02275403	87.6766	0.0169274
			Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae			nannonlanetica							
Little Hole Draw		3043	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Rhodomonas	minuta	nannoplanctica		Cell-Motile	Cells/ml	666.3424	0.17293067	666.3424	0.1286488
Little Hole Draw	6/20/2001	3065 2491	Cryptophyta	Chlorophyceae	Cryptomonadales Chlorococcales	Cryptomonadaceae Chlorococcaceae	Cryptomonas Schroederia	gracilis			Cell-Motile Cell-Nonmotile	Cells/ml Cells/ml	17.5353 29.2255	0.00758467	17.5353 29.2255	0.0033854
	6/20/2001		Chlorophyta Pacillariophyta	Chlorophyceae				judayi								
ittle Hole Draw		1298 2085	Bacillariophyta Chlorophyta	Chlorophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus			Cell-Nonmotile Cell-Motile	Cells/ml Cells/ml	37.9932 70.1413	0.00986008	37.9932 70.1413	0.007335
ittle Hole Draw ittle Hole Draw	6/20/2001	6034	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	platystigma			Cell-Motile	Cells/ml	2.9226	0.01820323	2.9226	0.000564
	6/20/2001	10220	Pyrrhophyta Cyanophyta	Dinophyceae Cyanophyceae	Gymnodinales Nostocales	Gymnodiniaceae Nostocaceae	Gymnodinium Anabaena	sp. 3 augstumalis			Complex-Filament	Cells/ml	52.606	0.00075848	1238.6341	0.000364
											Cell-Motile	Cells/ml	14.6128	0.01365243	14.6128	0.239139
	6/20/2001	2082	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Chlamydomonas	globosa								
ittle Hole Draw		2492	Chlorophyta Pacillarianh to	Chlorophyceae	Chlorococcales	Chlorococcaceae	Schroederia	setigera			Cell-Nonmotile	Cells/ml	92.5988 5.8451	0.02403145	92.5988	0.017877
ittle Hole Draw		1021	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Asterionella	formosa			Colonial-Nonmotile	Cells/ml		0.00151693	61.3736	0.011849
ittle Hole Draw		101930	Chlorophyta	Chlorophyceae	Ulotrichles	Ulotrichaceae	Geminella	interrupta			Filament	Cells/ml	2.9226	0.00075848	87.6766	0.016927
ittle Hole Draw	6/20/2001	1152	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	104.1737	0.02703539	104.1737	0.020112
ittle Hole Draw	6/20/2001	1328	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Synedra	cyclopum			Cell-Nonmotile	Cells/ml	8.7677	0.00227541	8.7677	0.001692
ittle Hole Draw		1153	Bacillariophyta	Fragilariophyceae	Fragilariales	Fragilariaceae	Fragilaria	capucina			Lateral-Filament	Cells/ml	2.9226	0.00075848	2.9226	0.000564
	6/20/2001	1296	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	hantzschii			Cell-Nonmotile	Cells/ml	8.7677	0.00227541	8.7677	0.001692
	6/20/2001	2840	Chlorophyta	Chlorophyceae	Volvocales	Chlamydomonadaceae	Lobomonas				Cell-Motile	Cells/ml	8.7677	0.00227541	8.7677	0.001692
ittle Hole Draw		3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	35.0707	0.00910163	35.0707	0.00677
ttle Hole Draw		4285	Cyanophyta	Cyanophyceae	Chroococcales	Chroococcaceae				>1 um spherical	Cell-Nonmotile	Cells/ml	2534.893	0.65786109	2534.893	0.489404
	6/20/2001	1446	Bacillariophyta	Coscinodiscophyceae	Thalassiosirales	Stephanodiscaceae	Stephanodiscus	parvus	1		Cell-Nonmotile	Cells/ml	69.4491	0.01802359	69.4491	0.013408
ittle Hole Draw	7/3/2001	1152	Bacillariophyta		Fragilariales	Fragilariaceae	Fragilaria	crotonensis			Lateral-Filament	Cells/ml	18.2159	0.00987049	337.8234	0.101576
ittle Hole Draw	7/3/2001	3015	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	erosa			Cell-Motile	Cells/ml	96.6845	0.05238959	96.6845	0.029071
ittle Hole Draw	7/3/2001	3069	Cryptophyta	Cryptophyceae	Cryptomonadales	Cryptomonadaceae	Cryptomonas	rostratiformis			Cell-Motile	Cells/ml	44.8392	0.02429663	44.8392	0.013482
ittle Hole Draw	7/3/2001	2369	Chlorophyta	Chlorophyceae	Chlorococcales	Oocystaceae	Oocystis	lacustris			Colonial-Nonmotile	Cells/ml	2.1018	0.00113888	11.2097	0.003370
ittle Hole Draw	7/3/2001	1434	Bacillariophyta	Coscinodiscophyceae	Aulacoseirales	Aulacoseriaceae	Aulacoseira	italica			Filament	Cells/ml	94.5827	0.05125071	650.2559	0.195518
ittle Hole Draw	7/3/2001	8011	Chlorophyta	Chlorophyceae	Chlorococcales	Actinodiscaceae	Deasonia	Gigantica			Cell-Nonmotile	Cells/ml	2.1018	0.00113888	2.1018	0.000631
		10220	Cyanophyta	Cyanophyceae	Nostocales	Nostocaceae	Anabaena	augstumalis			Complex-Filament	Cells/ml	7.0061	0.00379633	386.738	0.1162840
	7/3/2001															
ittle Hole Draw ittle Hole Draw	7/3/2001	2641	Chlorophyta	Chlorophyceae	Tetrasporales	Palmellopsidaceae	Sphaerocystis	schroeteri			Colonial-Nonmotile	Cells/ml	2.8024	0.00151851	28.0245	0.008426

Table B-6	. DEQ ha	ourly samp	ling data in	<u>America</u>	n Falls	Reservoi	r near the	dam from	4 pm, 18 J	uly, to 3 p	m, 19 J	uly, 2002	. Temp =	temperatu	<u> re, Cond = </u>	conducti <sup>,</sup>	vity, DO	= dissol	red oxyge	n, Turb = $t$	urbidity.			
Depth	Temp	Cond	DO - %	DO		Turb	Temp	Cond	DO - %	DO		Turb	Temp	Cond	DO - %	DO		Turb	Temp	Cond	DO - %	DO		Turb
(meters)	(°C)	(uS/cm)	saturation	(mg/l)	pН	(NTU)	(°C)	(uS/cm)	saturation	(mg/l)	pН	(NTU)	(°C)	(uS/cm)	saturation	(mg/l)	pН	(NTU)	(°C)	(uS/cm)	saturation	(mg/l)	рН	(NTU)
(,	( - )	(	1600	1 (**3*)	1	()	( -,	(	1700	(3)	- · · ·	()	( - )	1 ()	1800		1 1	()	( -,	(	1900		1 11	()
0.3	24.13	465	107.5	9.02	8.76	0.0	24.18	464	108.7	9.11	8.79	0	24.17	464	110	9.22	8.8	0.9	24.33	464	113.2	9.46	8.8	0.7
1	24.14	465	107.4	9.01	8.77	0.5	24.19	464	108.7	9.11	8.79	2.1	24.2	464	110.1	9.22	8.81	0.3	24.32	464	112.8	9.43	8.8	4
2	24.14	465	107.5	9.02	8.76	5.0	24.19	464	108.8	9.12	8.79	0	24.2	464	109	9.13	8.8	2.5	24.29	464	111	9.28	8.8	0.5
3	24.14	465	107.5	9.01	8.76	0.0	24.19	464	108.6	9.1	8.78	0	24.2	464	109.6	9.18	8.8	0.2	24.27	464	110.8	9.27	8.8	10
4	24.14	465	106.8	8.96	8.76	0.6	24.18	464	108	9.05	8.78	3	24.2	465	108.7	9.11	8.8	2	24.25	464	109.8	9.19	8.8	0
5	24.13	465	107.2	8.99	8.76	0.0	24.17	465	107.1	8.98	8.77	0	24.2	464	108.9	9.12	8.79	4	24.2	464	106.8	8.95	8.8	0
6	24.13	465	107.1	8.98	8.75	1.0	24.15	465	106.2	8.9	8.77	0	24.17	464	107.4	9	8.78	2.9	24.1	465	103.1	8.66	8.8	0
7	23.93	466	99.1	8.35	8.71	0.0	24.01	465	101.6	8.54	8.74	0	23.85	466	94.7	7.98	8.71	0	23.6	467	86.7	7.34	8.7	0
8	23.71	467	89.3	7.55	8.65	0.0	23.68	467	88.3	7.46	8.68	0	23.49	468	79.6	6.76	8.63	0	23.34	469	74.5	6.34	8.6	0
9	23.40	469	79.1	6.72	8.61	0.0	23.32	469	72.5	6.17	8.59	0	23.15	470	71.3	6.09	8.57	0	23.2	469	74.5	6.36	8.6	0
10	23.09	469	73.8	6.31	8.56	0.0	23.16	470	71.6	6.12	8.55	0	23.07	470	70.8	6.06	8.56	0	23.11	469	71.1	6.08	8.6	0
11	23.03	470	70.8	6.07	8.54	0.0	23.01	470	70.3	6.02	8.51	0	23.03	470	69	5.91	8.54	0	22.91	470	65.7	5.64	8.6	0
12																								
			2000	•				•	2100					•	2200						2300			
0.3	24.32	463	115.4	9.65	8.8	1.2	24.26	463	112.5	9.41	8.82	3	24.3	464	110.6	9.25	8.82	1.7	24.2	465	109.2	9.15	8.8	6.8
1	24.35	464	115.4	9.64	8.8	2.5	24.33	464	113.3	9.47	8.83	7.4	24.29	464	110.7	9.26	8.81	4	24.24	465	108.4	9.07	8.8	0.9
2	24.33	464	113.4	9.48	8.8	1.5	24.32	464	112.8	9.43	8.82	3.2	24.3	464	110.1	9.21	8.81	2.5	24.22	465	107.2	8.97	8.8	0
3	24.32	464	113.3	9.47	8.8	2.2	24.31	464	111.1	9.29	8.81	0	24.23	465	107.6	9.01	8.79	0	24.21	465	107	8.96	8.8	0.1
4	24.3	464	112.8	9.43	8.8	2.5	24.26	464	109.1	9.13	8.79	0	24.04	465	100	8.41	8.75	0	24.11	465	102.2	8.57	8.8	0
5	24.24	464	109.9	9.2	8.8	1.4	23.85	466	95.3	8.03	8.72	0	23.97	466	97.9	8.23	8.73	0	24.05	466	99.1	8.34	8.7	0
6	23.69	467	90.4	7.65	8.7	0	23.81	466	93.8	7.92	8.71	0	23.94	466	96.1	8.09	8.72	0	23.97	466	96.2	8.09	8.7	0
7	23.59	467	87.7	7.43	8.7	0	23.64	466	89.2	7.55	8.68	0	23.68	466	89.1	7.54	8.68	0	23.69	467	88.8	7.51	8.7	0
8	23.36	468	80.3	6.83	8.6	0	23.48	467	86.7	7.36	8.66	0	23.55	467	87.6	7.43	8.66	0	23.25	468	77.9	6.64	8.6	0
9	23.32	468	78.7	6.71	8.6	0	23.28	468	79.2	6.75	8.61	0	23.2	468	76.1	6.5	8.58	0	23	469	70.7	6.05	8.5	0
10	23.02	469	71.3	6.11	8.6	0	22.97	469	70.4	6.03	8.53	0	22.83	471	63	5.42	8.47	0	22.89	470	66.5	5.71	8.5	0
11	22.73	472	56.7	4.89	848	0	22.52	474	47.4	4.1	8.38	0	22.58	472	53.8	4.64	8.41	0	22.59	472	55.4	4.78	8.4	0
12																								
			2400						100						200						300			
0.3	24.14	464	108.1	9.06	8.8	0.5	24.13	465	107	8.98	8.81	0.3	24.1	465	106.6	8.95	8.81	1.5	24.03	465	105	8.82	8.8	2.8
1	24.19	465	107.5	9.01	8.8	1	24.14	465	106.8	8.96	8.81	0	24.1	465	106.8	8.97	8.81	0.9	24.06	465	105.1	8.83	8.8	1.9
2	24.17	465	106.4	8.91	8.8	0	24.14	464	106.9	8.97	8.81	3.2	24.11	465	106.5	8.94	8.81	0	24.06	465	104.9	8.81	8.8	2.1
3	24.15	465	104	8.72	8.8	0	24.14	465	107	8.98	8.81	3.3	24.1	465	106.4	8.93	8.8	0.7	24.07	465	104.6	8.78	8.8	11
4	24.13	465	103.1	8.65	8.8	0	24.14	465	106	8.89	8.79	1.3	23.9	466	94.5	7.96	8.75	0	24.06	465	103.6	8.7	8.8	2.5
5	24.07	465	99.3	8.34	8.7	0	23.72	467	90	7.61	8.7	0	23.68	467	88.7	7.51	8.7	0	24.03	466	99.1	8.34	8.8	0
6	23.75	467	90.6	7.66	8.7	0	23.53	467	84.8	7.2	8.69	0	23.63	467	88	7.46	8.7	0	23.7	467	89.2	7.55	8.7	0
7	23.38	468	81.2	6.91	8.7	0	23.52	467	83.6	7.09	8.68	0	23.6	467	86.9	7.36	8.69	0	23.54	468	82	6.95	8.7	0
8	23.37	468	80.9	6.89	8.6	0	23.48	468	79.9	6.79	8.65	0	23.39	469	77.3	6.58	8.63	0	23.29	469	79.2	6.74	8.6	0
9	23.2	469	75.6	6.45	8.6	0	23.24	468	77.2	6.59	8.62	0	23.07	469	72	6.16	8.58	0	23.16	469	74.4	6.35	8.6	0
10	23	469	68.5	5.87	8.5	0	22.98	470	68.2	5.85	8.55	0	23	470	70.2	6.02	8.56	0	23.06	469	72	6.16	8.6	0
11	22.48	473	48.4	4.19	8.4	0	22.69	471	58.2	5.01	8.47	0	22.86	471	64.3	5.53	8.52	0	22.48	474	46.2	3.97	8.4	0
12			1				22.59	472	52.0	4.49	8.43	0.0		1	1									

Table B-6	. Continu	ed																						
Depth	Temp	Cond	DO - %	DO		Turb	Temp	Cond	DO - %	DO		Turb	Temp	Cond	DO - %	DO		Turb	Temp	Cond	DO - %	DO		Turb
(meters)	(°C)	(uS/cm)	saturation	(mg/l)	pН	(NTU)	(°C)	(uS/cm)	saturation	(mg/l)	рН	(NTU)	(°C)	(uS/cm)	saturation	(mg/l)	рН	(NTU)	(°C)	(uS/cm)	saturation	(mg/l)	рН	(NTU)
			400						500						600						700			
0.3	24.02	465	104.1	8.75	8.8	2.1	23.97	466	103.1	8.68	8.8	0	23.92	466	102	8.59	8.8	0.4	23.92	466	101.4	8.54	8.8	0
1	24.02	465	104	8.74	8.8	0	23.98	465	103.1	8.67	8.8	1.5	23.95	466	101.9	8.57	8.8	0.1	23.92	466	101.3	8.53	8.8	0
2	24.02	465	103.7	8.72	8.8	0	23.99	465	102.9	8.65	8.8	0	23.95	466	101.8	8.57	8.8	0	23.92	466	101	8.5	8.8	1.2
3	24.03	465	103.7	8.72	8.8	0	23.99	465	102.8	8.64	8.8	0	23.94	466	101.9	8.58	8.8	1.1	23.92	466	100.3	8.45	8.8	1.9
4	24.03	465	103.2	8.67	8.8	0.6	23.99	465	102.7	8.63	8.79	0	23.95	466	101.9	8.58	8.79	0	23.92	466	98.9	8.33	8.8	0
5	23.9	466	96.4	8.12	8.8	0	23.98	465	102.1	8.59	8.77	0.4	23.94	466	101.2	8.52	8.79	0.3	23.82	467	92.8	7.83	8.7	0
6 7	23.64 23.54	468 468	84.4 83.2	7.14	8.7 8.7	0	23.69	467 468	87.4 79.2	7.4	8.7 8.65	0	23.8	467 469	92.4 78.6	7.79	8.74	0	23.57	468 469	83.7	7.09 6.55	8.7 8.6	0
8	23.54	468	77.7	7.05 6.63	8.6	0	23.38	469	76.6	6.73 6.53	8.62	0	23.39	470	71.9	6.68 6.15	8.66 8.59	0	23.33	469	76.8 70.1	5.99	8.6	0
9	23.21	468	77.2	6.59	8.6	0	23.23	469	73.8	6.31	8.59	0	23.00	470	68.5	5.87	8.56	0	22.93	471	65.9	5.65	8.5	0
10	22.98	470	69.1	5.92	8.6	0	22.98	470	68.1	5.84	8.54	0	22.54	473	50.7	4.38	8.43	0	22.65	472	56.3	4.86	8.5	0
11	22.46	474	45.9	3.98	8.4	0	22.34	474	43.3	3.76	8.36	0	22.38	474	45.1	3.91	8.38	0	22.36	474	46.5	4.04	8.4	0
12	22.10		10.0	0.00	0.1		22.01		10.0	0.10	0.00		22.00		10.1	0.01	0.00	- V	22.00		10.0	1.01	0.1	
			800						900						1000						1100			
0.3	23.86	467	101.6	8.56	8.8	0	23.91	466	104.2	8.77	8.81	0	24.11	466	106.9	8.97	8.84	0	24.38	465	107.8	9	8.8	0
1	23.88	466	101.6	8.56	8.8	0	23.91	466	104	8.76	8.8	0	24	466	107	8.99	8.84	0	24.04	465	108.6	9.13	8.8	0
2	23.88	466	100.8	8.5	8.8	0.7	23.91	466	103.1	8.69	8.8	0	23.94	466	105.7	8.89	8.84	0	23.93	465	106.6	8.98	8.8	0
3	23.88	466	100.8	8.49	8.8	0	23.89	466	101.4	8.55	8.8	0	23.89	466	103.9	8.75	8.82	0	23.87	465	103.3	8.73	8.8	0
4	23.87	466	101.3	8.54	8.8	0	23.88	466	99.9	8.42	8.78	0	23.84	466	101.2	8.54	8.8	0	23.8	466	99	8.36	8.8	0
5	23.86	466	99.2	8.36	8.8	0	23.86	467	97.5	8.25	8.77	0	23.74	468	92.6	7.82	8.74	0	23.68	467	89.1	7.55	8.7	0
6	23.55	469	82.9	7.02	8.7	0	23.61	468	84.6	7.16	8.68	0	23.55	469	83	7.05	8.68	0	23.54	468	82.4	6.98	8.7	0
7	23.19	470	73.7	6.28	8.6	0	23.24	470	73.7	6.27	8.61	0	23.24	470	73.6	6.31	8.62	0	23.36	469	77.9	6.64	8.7	0
8	23.08	471	69.3	5.93	8.6	0	23.02	471	67.2	5.75	8.56	0	23.02	471	67.1	5.74	8.57	0	23.05	470	68.7	5.87	8.6	0
9	22.98	471 472	66.6	5.71	8.6	0	22.98	471	66.2	5.69	8.54	0	22.98	471	65.1	5.59	8.54	0	23.02	470	68	5.83	8.6	0
10	22.73 22.35	474	55.6 44.2	4.78 3.82	8.5 8.4	0	22.8 22.4	472 474	59.6 47.1	5.12 4.06	8.47 8.39	0	22.71 22.59	473 473	56.9 52.8	4.89 4.53	8.47 8.44	0	22.95 22.6	471 473	65 54.9	5.58 4.75	8.5 8.5	0
12	22.55	4/4	44.2	3.02	0.4	U	22.4	4/4	41.1	4.00	0.59	U	22.59	413	52.0	4.55	0.44	U	22.0	413	54.9	4.75	0.0	
12			1200						1300						1400						1500			
0.3	24.65	465	108.9	9.06	8.8	0	24.38	465	112.5	9.4	8.84	0	24.74	464	116.8	9.7	8.86	0	24.71	465	115	9.53	8.9	0
1	24.36	465	112.5	9.37	8.8	0	24.37	465	112.4	9.39	8.84	0	24.63	464	117.3	9.77	8.86	0	24.72	465	115.2	9.55	8.9	0
2	23.97	464	112	9.42	8.8	0	24.05	464	115.5	9.7	8.85	0	24.36	464	117.1	9.78	8.86	ō	24.7	464	116.1	9.66	8.9	Ö
3	23.88	464	107.7	9.07	8.8	0	23.92	464	112.2	9.47	8.83	1.5	24.13	464	116.7	9.78	8.85	2.3	24.15	464	117.6	9.88	8.9	0
4	23.82	465	103.1	8.71	8.8	0	23.87	465	104.6	8.83	8.79	0	23.95	464	114.4	9.62	8.84	0	23.91	464	111	9.35	8.8	0
5	23.71	467	93	7.91	8.8	0	23.77	466	97.4	8.22	8.76	0	23.84	465	105.1	8.85	8.81	0	23.76	466	97.3	8.21	8.8	0
6	23.58	468	84.4	7.15	8.7	0	23.59	468	83.7	7.1	8.68	0	23.78	466	98.3	8.24	8.75	0	23.64	467	89.6	7.59	8.7	0
7	23.31	469	78.7	6.7	8.7	0	23.48	468	80.7	6.85	8.65	0	23.56	468	85.3	7.23	8.68	0	23.33	468	81.4	6.95	8.7	0
8	23.1	470	71.3	6.08	8.6	0	23.27	469	77.8	6.62	8.61	0	23.3	468	80.2	6.83	8.64	0	23.01	470	72.1	6.17	8.6	0
9	23.02	470	70.2	6.01	8.6	0	23.08	470	71.5	6.12	8.57	0	23.11	469	74.1	6.33	8.61	0	22.96	470	70.5	6.04	8.6	0
10	22.92	471	67.5	5.79	8.6	0	22.93	470	69.5	5.96	8.55	0	22.95	470	70.3	6.02	8.58	0	22.95	470	71	6.08	8.6	0
11	22.82	471	64.8	5.56	8.6	0	22.79	471	63.4	5.45	8.51	0	22.85	470	69.6	5.91	8.55	0	22.92	470	71.5	6.13	8.6	0
12								<u> </u>																

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